

**AMI WORK
MONDAY,
APRIL 13TH**

Name: _____

Find the difference
between 605 and 91.

Find the sum of 16, 12, and
44.

$$\begin{array}{r} 55,012 \\ - \quad 74 \\ \hline \end{array}$$

$$6 + 3 + 6 =$$

$$\begin{array}{r} 235 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 2 \\ 6 \\ 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ 44 \\ + 65 \\ \hline \end{array}$$

$$\begin{array}{r} 37,709 \\ - 4,989 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ + 73 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 6,852 \\ - 3,151 \\ \hline \end{array}$$

$$89 - 429 =$$

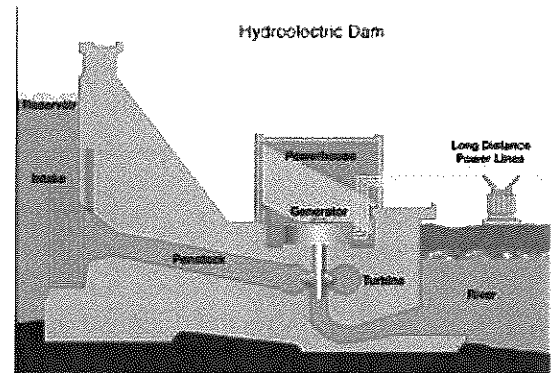
Subtract 147 from 336.

Name: _____

How Do Hydroelectric Dams Work?

Have you ever seen a dam? A dam is a huge wall that is built across a river. The dam holds water and prevents it from flowing downstream. On one side of a dam is a huge lake, a reservoir. On the other side is a narrow river. The river flows from the bottom of the dam. The surface of the lake sits hundreds of feet above, near the top of the dam.

Why would anyone want to build a dam? It takes a lot of time, a lot of materials, and a lot of money to build one. When a dam is made, a river is blocked off. It makes the water level rise up on one side of the dam. A lot of land is flooded in the process. Why would anyone want to do this? The answer is electricity. Dams can be used to make electricity.



There are many ways to make electricity. One way is by burning coal. Coal is a cheap way to make electricity, but it has its problems. Burning coal makes smoke that pollutes the air. The process also heats up a lot of water. This can be bad for the fish that live in the lakes and rivers near coal power plants. Another bad thing about burning coal is that it is a nonrenewable resource. The coal is used up. Coal is dug up out of the ground, but some day, we will run out of it.

Electricity can also be made by burning fuels like natural gas. It can be made using nuclear reactors. Electricity can also be made using the heat of the sun or the power of wind or water. Hydroelectric dams make electricity by using the power of flowing water.

Dams can make electricity because they create a lot of water pressure. A huge, tall wall is built to hold back the water flowing down a river. There is a small opening near the bottom of the dam. The opening forms a tunnel that passes through the dam and out to the other side of the river. It allows some water to flow through the dam. The dam holds back a lot of water and forms a large lake. The lake creates a lot of water pressure. The force of gravity pushes water down and through the opening at the bottom of the dam. The taller the dam, the greater the force of the water. In the tunnel that carries water through the dam is a turbine. A turbine has blades on it, like a fan or the propeller on an airplane. As the water flows through the tunnel and past the turbine, it pushes against the blades of the turbine. The force of the water makes the turbine spin. The blades of the turbine are attached to a shaft. When the blades spin, the shaft spins, too. The shaft of the turbine is attached to a generator. The generator turns the power of the spinning shaft into electricity.

Dams are a clean way of making electricity. Nothing is burned, so no polluting smoke is made. Water is a renewable resource. As long as there is rain on Earth, water will continue to flow into the river. Why don't we get all of our electricity from hydroelectric dams? One reason is because hills or mountains are needed. Dams create water pressure with a change in elevation, or height, from the top of the dam to the bottom of the dam. In flat places, like Kansas or Florida, it is hard to find land with hills or mountains around rivers to help hold water in to

Name: _____

form a lake.

How Do Hydroelectric Dams Work?

Questions

_____ 1. A dam is a _____ built within a river. Dams hold back water and create a lake where one did not naturally exist.

- A. tunnel
- B. turbine
- C. wall
- D. hole

2. What is one bad thing that happens to the land when a dam is built?

_____ 3. Which of the following is NOT a fuel or a power source for making electricity?

- A. the sun
- B. coal
- C. lightning
- D. wind

_____ 4. A _____ captures the energy of the water flowing through the dam. The moving water causes the blades to spin.

- A. generator
- B. turbine
- C. tunnel
- D. gravity

5. A _____ converts the captured power of the water into electricity.

6. What geographical features are needed when building a hydroelectric dam?

Family Rules About Dating

This activity will give you the opportunity to share what you have learned about dating and parenting with your family.

Step 1 Set aside time with family members to discuss the topics below. After the discussion, fill out the Dating Guidelines section that follows.

Family Discussion Topics

- What is the difference between a date and just going out?
- What are some reasons for dating? What can be learned from a relationship?
- What are the pros and cons of going steady?
- What are some guidelines for dating? (Include length of dates, curfews, frequency, places to go, introducing dates to parents, and so on.)
- How can lines of communication be kept open in our family so that problems or other matters involving dating can be discussed?
- How will our family resolve possible conflicts that might arise from dating?

Step 2 Use the discussion with your family to fill out the Dating Guidelines below. Have your parents approve your answers and then sign them. You may want to keep this sheet for future reference.

Dating Guidelines in Our Family

- How often can I go out on dates?

- What days can I go out on a date?

- What time do I have to be home from a date?

- Can I date anyone I choose?

- How do we resolve disputes about dating?

Your signature: _____

Responsible adult's signature: _____

Name: _____

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Russia

Russia in US History

In both World War I and World War II, Russia was our ally. Russia entered World War I in 1914, long before the United States did. It fought against Austria-Hungary to support another of its allies, Serbia. Russia also left that war before our country did. It was having problems within the borders of its own country, and the people of Russia no longer wanted to fight in a world war. So, in 1917, Russia met with Germany to write a peace treaty for their two countries before the rest of the war was over.

In World War II, Russia and the United States were again allies, but this situation did not last for long. As soon as the world war ended, Russia, which had become a Communist country, and the United States became enemies in a Cold War, a conflict fought with ideas and money rather than armies. This Cold War lasted for many years. Then, in the 1990's, it was over as quickly as it had begun.

Now, Russia is back to being just Russia, and it is no longer the enemy of the United States that it once was. To many students today, it is just another country mentioned in their history textbooks.

The Country of Russia

Like all of the countries listed in your history book as allies or enemies during the world wars, Russia is an interesting place once you get to know a little more about it. Russia is a huge country, the biggest in the world. It covers millions of square miles in both Europe and Asia. Most Russians live in urban areas now, and many of them live in the capital city of Moscow.

If you went to visit Moscow, one of the first things you might see is St. Basil's Church, and already you would be learning about Russian history. A Russian Czar named Ivan the Terrible built St. Basil's, a Russian Orthodox church, about 400 years ago. Czars, who were rulers similar to kings in some other countries, ruled Russia for hundreds of years. St. Basil's Church is located in a central part of the city known as Red Square. The color red represents the Communists who ruled Russia for many years after World War I.

St. Basil's Church was built in a famous Russian style of architecture. On the top of the church there are many colorful, round domes that are pointed on top. These "onion domes" are a well-known feature on Russian style buildings.

A smaller example of Russian craftsmanship that you might have seen here in the United States is a set of Russian nesting dolls. Nesting dolls are little wooden dolls that open up like small wooden boxes with separate lids. Inside the doll is a smaller doll that also opens, and so on. Sets may have three or four dolls, each one smaller than the one before. Besides dolls in traditional Russian dress, there are nesting Santa dolls, nesting animals, and

Name: _____

edHelper

even nesting sports figures.

You can learn more about Russia from an encyclopedia, an atlas, or your history book, but there are other ways to learn about a country too. For instance, you can learn about Russia by reading some traditional Russian folk tales. These tales are stories that were told to Russian children and passed down through the generations. Some of them teach values that are important to Russian people, and some of them tell about Russia of long ago.

Maybe a picture of St. Basil's Church, a Russian nesting doll, or a Russian folk tale can help you imagine what life in Russia was like. Sometimes your imagination can give you a better picture of a far-away country than reading about it in a textbook.

Russia

Questions

- _____ 1. Russia is located in _____.
 - A. Asia
 - B. neither
 - C. Europe
 - D. both

- _____ 2. In World War I, Russia was _____.
 - A. our ally
 - B. our enemy
 - C. neutral
 - D. none of the above

- _____ 3. The Cold War was a time of _____ between Russia and the United States.
 - A. many battles
 - B. peace
 - C. conflict
 - D. agreement

- _____ 4. The Cold War ended _____.
 - A. before World War II
 - B. in recent years
 - C. in the 1800's
 - D. before World War I

- _____ 5. St. Basil's is a _____.
 - A. American church
 - B. Russian Orthodox church
 - C. Russian museum
 - D. War memorial in Europe

Name: _____

- _____ 6. Russian nesting dolls could also be called little _____.
- A. boxes
 - B. books
 - C. churches
 - D. trains
- _____ 7. To learn more about Russia, you could study _____.
- A. an atlas
 - B. an encyclopedia
 - C. folk tales from Russia
 - D. all of the above
- _____ 8. Which happened first?
- A. Russia was ruled by czars
 - B. The Cold War
 - C. Russia was ruled by Communists
 - D. World War I

The vowels are missing in the word search.
Fill in the missing vowels and circle the words.

F B K T T L
B R N C M D
S P M P H L T
 R N T T S T T
N S S S T T
C R S H C R B
 R D C L L
D R A B B T T R
 R S L T
P R C K S R

CURB • RENT • KETTLE • PAMPHLET
ASSIST • RIDICULE • INCOME • DRAB
RESOLUTE • RUSH • ABSENCE • DETAIL
PRECOOK • BETTER

Write this as a number in standard form. Use a comma in your number.

six hundred forty-five thousand three hundred eleven

Robert bought a tiny turtle for \$1.25 and turtle food for \$0.30. He gave the clerk \$2. How much change did he get?



**AMI WORK
TUESDAY,
APRIL 14TH**

Name: _____

$$\begin{array}{r} 159,356 \\ - 68,185 \\ \hline \end{array}$$

$$\begin{array}{r} 98,865 \\ - 72,832 \\ \hline \end{array}$$

$$\begin{array}{r} 107,119 \\ - 72,077 \\ \hline \end{array}$$

$$\begin{array}{r} 59,721 \\ - 26,627 \\ \hline \end{array}$$

$$\begin{array}{r} 121,733 \\ - 49,619 \\ \hline \end{array}$$

$$\begin{array}{r} 166,681 \\ - 73,472 \\ \hline \end{array}$$

$$\begin{array}{r} 139,214 \\ - 42,443 \\ \hline \end{array}$$

$$\begin{array}{r} 75,109 \\ - 40,798 \\ \hline \end{array}$$

$$\begin{array}{r} 84,243 \\ - 41,029 \\ \hline \end{array}$$

$$\begin{array}{r} 101,633 \\ - 29,689 \\ \hline \end{array}$$

$$\begin{array}{r} 109,823 \\ - 81,050 \\ \hline \end{array}$$

$$\begin{array}{r} 71,509 \\ - 49,775 \\ \hline \end{array}$$

$$\begin{array}{r} 72,528 \\ - 41,256 \\ \hline \end{array}$$

$$\begin{array}{r} 74,287 \\ - 44,687 \\ \hline \end{array}$$

$$\begin{array}{r} 114,119 \\ - 99,949 \\ \hline \end{array}$$

$$\begin{array}{r} 96,027 \\ - 41,153 \\ \hline \end{array}$$

$$\begin{array}{r} 129,479 \\ - 41,116 \\ \hline \end{array}$$

$$\begin{array}{r} 143,510 \\ - 60,319 \\ \hline \end{array}$$

$$\begin{array}{r} 118,084 \\ - 52,688 \\ \hline \end{array}$$

$$\begin{array}{r} 111,296 \\ - 38,816 \\ \hline \end{array}$$

$$\begin{array}{r} 83,346 \\ - 60,553 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 2 \\ \hline 19 \\ + \square \end{array}$$

$$\begin{array}{r} 26 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 9 \\ \hline 38 \\ + \square \end{array}$$

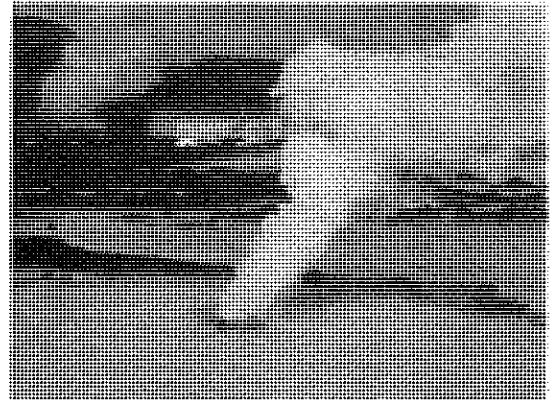
$$\begin{array}{r} 43 \\ + \square \\ \hline 45 \\ - 2 \\ \hline \square \end{array}$$

Name: _____

How Does Geothermal Energy Work?

Geothermal energy comes from the heat inside the Earth. People can use geothermal energy to heat and cool their homes and to make electricity. The Earth's heat is a clean energy source. It does not cause any pollution. It is also renewable energy. We can't use it up. But how does geothermal energy work?

Much of the Earth's heat comes from its core. It is still hot from when the Earth formed over four billion years ago. Heat from the core spreads outward through the earth's mantle, or middle layer. Inside the mantle, rocks are mostly in liquid form, called magma, melted by the Earth's internal heat. Magma heats the water under the ground. In some places, the hot water shoots to the surface in hot springs and geysers. This hot water can power geothermal energy systems.



Iceland is one place where geothermal energy is used to heat buildings and to grow food. That country has about 25 active volcanoes. Hot springs and geysers are common there, too. Water from hot springs is piped into buildings. The buildings are heated by the water passing through pipes and radiators instead of furnaces that burn coal, oil, or gas.

Greenhouses use geothermal energy where it is too cold to grow food outdoors. Inside the greenhouses, there are pipes full of hot water. Hot water is pumped up from underground and used to heat the greenhouses. The hot water warms both the soil and the air inside the structure. Greenhouses like this are used to grow food in Iceland, Hungary, Italy, and New Mexico.

Many homes in the U.S. are heated with geothermal heat pumps. These use the stable temperatures found in the soil to even outside temperatures. Pipes are placed in the ground about ten feet below the surface near a building. At this depth, the soil temperature stays between 50 and 60 degrees, summer and winter. This means it stays warmer in the winter than the outside air. It stays cooler in the summer, too.

Heat pumps use this warmer or cooler temperature to heat homes in winter and cool them in summer. A liquid is pumped into the buried pipes. In winter, warmth from the ground warms the liquid in the pipes. An electric fan blows over the pipes to heat the rooms of the house. In the summer, the opposite happens. Hot air from inside the house is cooled under the ground. Then it is sent back into the house. The heat removed from the hotter, summer air can be used to heat water for bathing and washing dishes.

Geothermal heat pumps can keep buildings warm even when it is very cold outside. Many heat pumps are small enough to fit inside a home's basement.

Name: _____

Geothermal energy use is becoming more common in heating homes and buildings.

How Does Geothermal Energy Work?

Questions

1. Where does geothermal energy come from?

_____ 2. What are some good reasons to use geothermal energy?

- A. It is a clean energy source.
- B. It does not cause pollution.
- C. It is renewable energy. We can't use it up.
- D. all of the above

_____ 3. Greenhouses use geothermal energy to _____.

- A. warm the soil
- B. warm the air inside the greenhouse
- C. both A and B
- D. neither A nor B

_____ 4. Which country is NOT mentioned in the story as using geothermal energy?

- A. Iceland
- B. the United States
- C. Guatemala
- D. Italy

_____ 5. Geothermal heat pumps are not practical for use in homes.

- A. true
- B. false

_____ 6. Ten feet below the surface, ground temperature stays between _____.

- A. ten to twenty degrees
- B. zero degrees and twenty below zero
- C. fifty and sixty degrees
- D. thirty to forty degrees

_____ 7. What can the reader infer about geothermal heat pumps?

- A. Geothermal heat pumps also use some electricity to run the fan.
- B. Geothermal heat pumps are too expensive for many people to afford them.
- C. Geothermal heat pumps cannot be used in places where it gets very cold in winter.
- D. all of the above

_____ 8. What was the author's main purpose for writing this story?

- A. to inform readers with facts
- B. to entertain readers with funny stories about energy
- C. to persuade readers that everyone should use geothermal energy

A Plan for a Healthy Diet

Directions In the space provided, plan a three-day menu for yourself. In this menu, follow the dietary guidelines in Lesson 1 as well as the recommended servings from the Food Guide Pyramid. Name the food you will eat and when. Make sure to give yourself some variety.

Healthy Diet Day #1

Meal A: _____

Meal B: _____

Snack: _____

Meal C: _____

Healthy Diet Day #2

Meal A: _____

Meal B: _____

Snack: _____

Meal C: _____

Healthy Diet Day #3

Meal A: _____

Meal B: _____

Snack: _____

Meal C: _____

Name _____



Date _____

American Symbols

By Phyllis Naegeli

America is

the land of the free

with many symbols

of our liberty.

The flag with her stripes

and colors red, white, and blue

mean courage, honor,

and justice for you.

Stars from the heavens,

stripes like rays from the sun,

our flag waves all over

this great land of one

The eagle so grand

flies high in the sky,

a symbol of strength

and courage its cry.

In seventy-six

the Liberty Bell

rang on through the air

our freedom to tell.

Our old Uncle Sam

cries out "I want you"





Name _____

Date _____

to stand for freedom

in red, white, and blue.

Miss Liberty stands

in New York so tall,

a symbol of welcome

to all who will call.

The pledge to our flag

and "America" our song

proclaim through the land

a country so strong.

Star-Spangled Banner,

the song that we love,

our national anthem

to the flag above.

And then there's the rose,

so graceful and pure,

a lovely bloom to

a land that endures.

They stand for the freedom

fought hard for by all

who believed that they

had served the great call...

to form a new nation,

a united land,

Name _____



Date _____

to go on through time.

A country so grand!

American Symbols

Questions

- _____ 1. What do the stripes on the flag represent?
- A. the sun's rays
 - B. the roads in our country
 - C. nothing, they just looked nice
 - D. unity
- _____ 2. What do the colors red, white, and blue mean?
- A. courage
 - B. honor
 - C. justice
 - D. all of the above
 - E. none of the above
- _____ 3. Which of the following qualities does the eagle represent?
- A. strength
 - B. honor
 - C. justice
 - D. all of the above
 - E. none of the above
- _____ 4. What phrase is Uncle Sam famous for?
- A. I like you
 - B. I want you
 - C. I need you
 - D. I love America
5. Where is the Statue of Liberty found?

Name _____



Date _____
(Answer ID # 0135978)

Names

Capitalize every word in a person's name.

Austin Allen, Kaitlyn Lewis, Robert Harris, Rebecca Martinez, Aaron Anderson, and Mackenzie Moore



Capitalize the middle initial in a person's name.

Christopher O. Williams, Hailey B. Brown, Tyler J. Lee, and Madison N. Rodriguez

Amanda L. Young was loaded with bliss when her name was called as the winner of the award. Did Stephanie H. King write a letter to you?

Rewrite each sentence correctly.

1. if daniel gets in trouble again, his parents will restrict him to his room. _____
2. despite losing by 200 votes, eric said he was satisfied with his campaign. _____
3. christian held the umbrella for kylie so she would not get wet. _____
4. i thought benjamin o. lee was my enemy, but he turned out to be a very good friend. _____
5. aaron is running for junior class president. _____
6. nicole and her family are planning a two-week trip to scotland. _____
7. we were so proud of samuel when he ran across the finish line. _____
8. dylan is giving a ring to amanda for valentine's day. _____

**AMI WORK
WEDNESDAY,
APRIL 15TH**

Name: _____

$$\begin{array}{r} 550 \\ + 320 \\ \hline \end{array}$$

$$\begin{array}{r} 525 \\ + 644 \\ \hline \end{array}$$

$$\begin{array}{r} 451 \\ + 679 \\ \hline \end{array}$$

$$\begin{array}{r} 610 \\ + 396 \\ \hline \end{array}$$

$$\begin{array}{r} 886 \\ + 253 \\ \hline \end{array}$$

$$\begin{array}{r} 296 \\ + 474 \\ \hline \end{array}$$

$$\begin{array}{r} 823 \\ + 423 \\ \hline \end{array}$$

$$\begin{array}{r} 996 \\ + 407 \\ \hline \end{array}$$

$$\begin{array}{r} 519 \\ + 363 \\ \hline \end{array}$$

$$\begin{array}{r} 727 \\ + 489 \\ \hline \end{array}$$

$$\begin{array}{r} 505 \\ + 532 \\ \hline \end{array}$$

$$\begin{array}{r} 319 \\ + 300 \\ \hline \end{array}$$

$$\begin{array}{r} 998 \\ + 381 \\ \hline \end{array}$$

$$\begin{array}{r} 483 \\ + 487 \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ + 770 \\ \hline \end{array}$$

$$\begin{array}{r} 435 \\ + 431 \\ \hline \end{array}$$

$$\begin{array}{r} 885 \\ + 599 \\ \hline \end{array}$$

$$\begin{array}{r} 666 \\ + 987 \\ \hline \end{array}$$

$$\begin{array}{r} 263 \\ + 513 \\ \hline \end{array}$$

$$\begin{array}{r} 516 \\ + 944 \\ \hline \end{array}$$

$$\begin{array}{r} 385 \\ + 247 \\ \hline \end{array}$$

$$\begin{array}{r} 594 \\ + 928 \\ \hline \end{array}$$

$$\begin{array}{r} 259 \\ + 352 \\ \hline \end{array}$$

$$\begin{array}{r} 609 \\ + 616 \\ \hline \end{array}$$

$$\begin{array}{r} 460 \\ + 798 \\ \hline \end{array}$$

$$\begin{array}{r} 733 \\ + 605 \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ + 867 \\ \hline \end{array}$$

$$\begin{array}{r} 811 \\ + 459 \\ \hline \end{array}$$

$$\begin{array}{r} 426 \\ + 752 \\ \hline \end{array}$$

$$\begin{array}{r} 261 \\ + 586 \\ \hline \end{array}$$

$$\begin{array}{r} 834 \\ + 977 \\ \hline \end{array}$$

$$\begin{array}{r} 887 \\ + 349 \\ \hline \end{array}$$

$$\begin{array}{r} 640 \\ + 698 \\ \hline \end{array}$$

$$\begin{array}{r} 552 \\ + 837 \\ \hline \end{array}$$

$$\begin{array}{r} 985 \\ + 252 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 9 \\ \hline 24 \end{array}$$

$$\begin{array}{r} - \square \\ \hline 22 \end{array}$$

$$\begin{array}{r} + \square \\ \hline 27 \end{array}$$

$$\begin{array}{r} + \square \\ \hline 35 \end{array}$$

$$\begin{array}{r} - \square \\ \hline 31 \end{array}$$

$$\begin{array}{r} + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 5 \\ \hline 44 \end{array}$$

$$\begin{array}{r} - \square \\ \hline 40 \end{array}$$

$$\begin{array}{r} - 4 \\ \hline \square \end{array}$$

Name: _____

Solar Energy

Caption: This hotel uses solar collectors to heat water.

Have you ever used solar power? Do you have a calculator that doesn't plug in or need batteries? If so, you have used solar power. There are many other ways to use energy from the sun.



Have you ever sat in a car on a hot summer day? Have you ever walked into a greenhouse? If so, you know the power the sun has for heating inside as well as outside.

Scientists have come up with several ways to capture the sun's energy. Builders use materials and design structures to collect, store, and distribute solar energy for heating in the winter and block incoming solar energy in the summer. This is called passive solar design.

Active solar heating systems are also used. Solar panels are mounted on a roof or other sunny location. They collect the energy from the sun and use it to heat a fluid, generally water or air. The heat is then either stored for later or pumped directly into the house. This type of solar heater can also heat the water in a home.

Have you ever tried to use your solar calculator in a darkened room? It doesn't work very well. The solar collector that powers it relies on direct light. The calculator does not store solar energy that can be used when it is dark. But homes and other buildings need energy when it is dark or cloudy. To make structures like these function using solar energy, solar energy must be turned into electricity.

Special cells have been developed in order to do this. They are called photoelectric cells. When sunlight falls on these cells, it creates an electrical current. The electricity can either be used right away or stored for later. These cells are quiet and produce no pollution. Some power companies set up towers that contain hundreds of these special cells. They are usually constructed in areas where the land is not useful for other purposes. They produce electricity for these areas.

There are some disadvantages of using solar energy for electricity or heat. Solar collectors and systems are costly. Any power that is not used must be stored somehow. This requires more equipment. But some people think the good things about solar energy outweigh the bad things.

Solar energy has many advantages. For one thing, it is free! It is also renewable. It doesn't cause any kind of pollution. Solar energy has been around since Earth was formed. Is it also the energy of the future?

Name: _____

Solar Energy

Questions

1. What is passive solar heating?

_____ 2. Active solar heaters use:

- A. fire
- B. concrete
- C. solar panels

_____ 3. Solar energy can be turned into electricity.

- A. true
- B. false

_____ 4. One problem with solar energy is that it has to be used right away. It can't be stored for later.

- A. false
- B. true

5. Name two disadvantages of solar power.

6. Name two advantages of solar power.

Name: _____

Date: _____

Healthy Eating

K V T B D L V F F R B I S G N E K C I H C G M M
 Q S S B B E N G F R P U R Z N F L A P C H O D Q
 T F R Q F C U Z O A G S Q L C S G Y I Z L C B X
 P J K L H I X C O R W Y A Z Y Y O T Q B U E Q M
 E K D N E R C S F R D O B L K F Q B S A E P O B
 A N I W P O N L A P A U T S M Z V O N F O C M T
 R C D I L P T E F M F N D I C O A G W B O I H D
 H D J I Y Z P M S K X Y G O P T N D K V X O M E
 F U X O O M D O E K T T C E M A M N O I L X P L
 U M P B A P X N L N S C T E N V A Z I W W C I O
 N D J N E B B U E E I B A T N O X F R A M I X X
 K S G X G R E R S L E L E P B C I S C T V R V W
 R O I M G G X A N Z P M X Q Y A E T Q E Q L X Y
 U V D U C K V O N H U P H K I D L N K R Q Y M X
 H C W S X H Q D Y S S G A N R O P A Q M Z D E Q
 W U Z H M S V M A C B I L E H T P L F E N A F N
 V A K R L A Z U L U H V G V N J A P T L F V S O
 S E E O B U Y O G U R T M P P I M G U O Q R A I
 E D R O I Q W A L N U T S E A O P G T N J T B N
 B Q K M X S O W Y B N Q P P L N P E P J K A P O
 Y C H G Y A M M A C O N U P K Q J C W X N V Z E
 S N Q U M N P U N S V S S E G Q P F O A Q Y N I
 F I C Y Q U N T U V F Q S R M U K H N R H G E W
 Y B E E T S L C T G H Q L S P T S A J S N F N A

watermelon apple squash peppers pear beans walnuts tuna oatmeal
 beef eggplant beets salmon orange mango pineapple lemon banana
 yogurt rice popcorn onion mushroom chicken peas kiwi broccoli
 avocado

Name: _____

edHelper

Oprah Winfrey, Broadcasting Powerhouse

Oprah Winfrey is best known as the host of her own show, *The Oprah Winfrey Show* from 1986 to 2011. She is also an actor and a producer. As a child, she interviewed her dolls and sometimes animals, too. She was encouraged by her grandmother to memorize Bible verses and recite them in church and other places. Maybe it isn't surprising that she chose a life in the spotlight.

She was born January 29, 1954. In high school, she was on the speech team and took second place in a national competition. This got her a full scholarship to Tennessee State University. When she was 17, she won the Miss Black Tennessee contest. This got her noticed by a black radio station in Nashville, Tennessee. The station hired her to read the news on air. She did this part-time during her last year in high school and during her first two years in college.

In 1973, she was hired by the CBS TV station in Nashville as the news anchor. She was only nineteen years old. She was the youngest - and the first black - newscaster in Nashville. She thought the best part of the job was that she could attend her college classes during the day and work at the TV station in the evenings. Three years later, she moved to Baltimore, Maryland. She worked on the news there, finding it a bumpy road. In 1978, things got better when she began to co-host a morning talk show.

Then Oprah made her move to Chicago. In 1984, she began hosting a morning talk show called *AM Chicago*. It was popular, and a short time later the show became known as *The Oprah Winfrey Show*. By 1986, her morning talk show was seen all over the U.S. and was the number one daytime talk show in the nation.

In 1986, Oprah started her own production studio. It is called Harpo Productions. Harpo is Oprah spelled backwards. She was the third woman in entertainment history to own her own studio. *The Oprah Winfrey Show* was produced by Harpo for twenty-five seasons. The show had about 46 million viewers a week in the U.S. in 2008. That year, the show was also seen in one hundred forty countries.

Oprah is also the co-founder of a cable TV network. It was called *Oxygen*. The network is known as a women's TV network. She started a magazine, too. It is called *O, The Oprah Magazine*. Then she partnered with Discovery Communications to start another network. It is called OWN: The Oprah Winfrey Network. It launched in 2011, the same year she stopped hosting the *The Oprah Winfrey Show*. It allowed her to combine her passion for helping others and her broadcasting experience. Oprah continues to be a powerhouse in the broadcasting world. Her efforts have made her very rich. She is the first black woman billionaire in world history.



Name: _____

edHelper

Oprah Winfrey, Broadcasting Powerhouse

Questions

_____ 1. When did Oprah begin her career in broadcasting?

- A. in college
- B. after college
- C. a few years ago
- D. in high school

2. What was Oprah the first to do at the Tennessee station where she got her start?

_____ 3. Why did Oprah move from Baltimore, Maryland, to Chicago?

- A. She heard that Chicago is famous for pizza.
- B. She was offered a job hosting a morning talk show.
- C. She wanted to live near Lake Michigan.
- D. She liked Chicago's weather.

_____ 4. *AM Chicago* later became known as _____.

- A. *The Morning Show*
- B. *Oprah in the Morning*
- C. *The Oprah Winfrey Show*
- D. *Good Morning Chicago*

5. What is Harpo?

6. What is OWN?

Name _____

Date _____
(Answer ID # 0276225)

Days and Months

Capitalize the names of days and months.

January, February, March, April, May, June, July, August, September, October, November,
and December
Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday



The agreement was signed last June.

The worst storm this year was on Sunday, October 17.

Rewrite each sentence correctly.

1. almost 300 houses were destroyed by the fire on july 5, 2001.

2. there used to be a festival on may 1.

3. there were five people absent from our class on december 15.

4. the expedition is due to conclude at the end of december.

5. jackson was hired at the grocery store in june.

6. school started on friday, august 9, this year.

7. president kennedy was assassinated on november 23, 1963.

8. filming began in march and will continue until the end of july.

**AMI WORK
THURSDAY,
APRIL 16TH**

Name: _____

$$\begin{array}{r} 6,285 \\ + 3,797 \\ \hline \end{array}$$

$$\begin{array}{r} 6,684 \\ + 3,190 \\ \hline \end{array}$$

$$\begin{array}{r} 3,384 \\ + 5,504 \\ \hline \end{array}$$

$$\begin{array}{r} 8,556 \\ + 5,199 \\ \hline \end{array}$$

$$\begin{array}{r} 5,626 \\ + 6,199 \\ \hline \end{array}$$

$$\begin{array}{r} 3,810 \\ + 1,819 \\ \hline \end{array}$$

$$\begin{array}{r} 1,247 \\ + 2,890 \\ \hline \end{array}$$

$$\begin{array}{r} 6,628 \\ + 4,653 \\ \hline \end{array}$$

$$\begin{array}{r} 8,871 \\ + 6,960 \\ \hline \end{array}$$

$$\begin{array}{r} 6,036 \\ + 1,603 \\ \hline \end{array}$$

$$\begin{array}{r} 2,016 \\ + 2,746 \\ \hline \end{array}$$

$$\begin{array}{r} 1,893 \\ + 9,886 \\ \hline \end{array}$$

$$\begin{array}{r} 6,867 \\ + 9,770 \\ \hline \end{array}$$

$$\begin{array}{r} 4,717 \\ + 4,056 \\ \hline \end{array}$$

$$\begin{array}{r} 4,574 \\ + 5,750 \\ \hline \end{array}$$

$$\begin{array}{r} 9,722 \\ + 1,734 \\ \hline \end{array}$$

$$\begin{array}{r} 9,826 \\ + 9,831 \\ \hline \end{array}$$

$$\begin{array}{r} 6,647 \\ + 4,271 \\ \hline \end{array}$$

$$\begin{array}{r} 8,066 \\ + 8,692 \\ \hline \end{array}$$

$$\begin{array}{r} 5,563 \\ + 9,464 \\ \hline \end{array}$$

$$\begin{array}{r} 2,277 \\ + 9,242 \\ \hline \end{array}$$

$$\begin{array}{r} 2,593 \\ + 3,311 \\ \hline \end{array}$$

$$\begin{array}{r} 5,189 \\ + 8,574 \\ \hline \end{array}$$

$$\begin{array}{r} 6,768 \\ + 2,873 \\ \hline \end{array}$$

$$\begin{array}{r} 1,871 \\ + 4,166 \\ \hline \end{array}$$

$$\begin{array}{r} 3,169 \\ + 2,038 \\ \hline \end{array}$$

$$\begin{array}{r} 9,908 \\ + 8,866 \\ \hline \end{array}$$

$$\begin{array}{r} 9,175 \\ + 1,671 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 25 \\ + \square \\ \hline \square \end{array}$$

$$\begin{array}{r} 30 \\ - 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 23 \\ - \square \\ \hline \square \end{array}$$

$$\begin{array}{r} 20 \\ + \square \\ \hline \square \end{array}$$

28

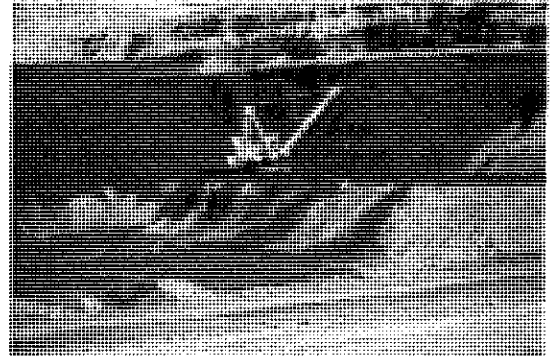
Name: _____

Fossil Fuels

Caption: Mining coal in Wyoming

Have you heard of peat? How about coal, natural gas, and oil? These are all fossil fuels.

Fossil fuels give us energy. They come from things that were once living. They formed over thousands or millions of years.



Fossil fuels are very efficient sources of energy. Our cars depend on them. Most countries use them to produce electricity to power homes and businesses. They are all formed from decayed organic matter.

Oil can be burned to release energy. It can be refined into other energy products such as gasoline and kerosene.

Where did oil come from? Scientists believe that fossil fuels are made from the remains of living things. Millions of years ago, when plants and animals died, their remains were left bare on the ground. Often, water would carry the remains to other places. In some places, large amounts of decaying plant and animal matter settled. As time passed they were covered in layers of mud, sand, and rock. Ancient oceans, seas, or rivers covered the remains, and the weight of the water put the materials under great pressure. Slowly, bacteria decomposed the hot, pressurized materials. Eventually, the remains of living things were turned into oil and natural gas.

Oil and natural gas are mostly found below Earth's surface. Wells are drilled, and the materials are pumped out. They are transported to other places for use as energy.

Coal was formed in the warm tropical swamps that were located near the equator. As plant material died, it sank to the bottom of the swamp. Layer upon layer built up. Under the great pressure, the material was compressed into coal. Coal must be mined. Tunnels are dug into the Earth. The coal is then separated from the rocks. It can be burned to produce electricity.

So what about peat? Peat is actually the first stage in the process of producing coal. It is formed in a bog from decomposed organic matter. Peat is a light, spongy material. It can be cut from the bog and dried. Some people still use peat to heat their homes. It can be burned in fireplaces like wood logs.

Fossil fuels are an efficient source of energy. However, there are drawbacks to using them. They are nonrenewable. They will not last forever. They are expensive to remove from the ground and to refine into usable forms. They also cause pollution. Scientists are working to find other sources of energy that are efficient. This will reduce our dependence on oil and other fossil fuels.

Name: _____

Fossil Fuels

Questions

1. What were fossil fuels formed from?

_____ 2. Fossil fuels are very efficient sources of energy.

- A. false
- B. true

_____ 3. Oil and natural gas are obtained by:

- A. cutting from a bog
- B. mining
- C. drilling

4. How was coal formed?

_____ 5. How is peat used in homes?

- A. to drill for oil
- B. for heating
- C. to produce electricity

6. Name two drawbacks of using fossil fuels for energy.

Diet Choices

Directions On the blank before each statement, write *H* if the statement most likely describes a healthy diet. Write *U* if it describes an unhealthy diet.

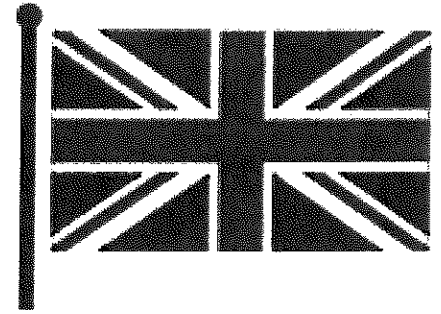
- _____ 1) You feel tired and listless.
- _____ 2) About twice a week you have cookies or cake.
- _____ 3) Often you have three 1/2-pound burgers for one meal.
- _____ 4) You can lose weight safely.
- _____ 5) Before you buy prepared food, you check the labels to learn about nutrients.
- _____ 6) When you feel stressed out, you eat candy.
- _____ 7) Most of the foods you eat are near the top of the Food Guide Pyramid.
- _____ 8) Sometimes you have three helpings of salad—with no oil.
- _____ 9) Your hair and skin look good.
- _____ 10) You eat fruit pies instead of fruit each day.
- _____ 11) You often have cheese, milk, or yogurt five times a day.
- _____ 12) You tend to eat more on days when you exercise more.
- _____ 13) The only ways you like vegetables are fried or in a cream sauce.
- _____ 14) You like to eat the foods at the bottom of the Food Guide Pyramid.
- _____ 15) You prefer eating potato chips to dry roasted nuts.

Name: _____

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Great Britain

Before the Revolutionary War, the United States was one of the colonies of Great Britain (often just called England). Even though we fought against the English in that war, the United States has had close ties with Great Britain for much of the time since then. In both World War I and World War II, the United States and Great Britain were allies.



Most people in the United States know something about England, the main country in Great Britain. Many people know the story of *Romeo and Juliet* from books or films and know of its famous playwright, William Shakespeare. Many others have heard music by the Beatles, a band from England that became famous all around the world in the 1960s.

The full name of Great Britain is the United Kingdom of Great Britain and Northern Ireland. The UK is not too hard to find on a map. Since it is an island country, it is separate from the continent of Europe. Sometimes, however, map questions about the UK can be confusing. This is because the United Kingdom of Great Britain and Northern Ireland is made up of many island and many other countries.

England, Scotland, and Wales are the three countries that make up the large island of Great Britain. It and thousands of smaller islands are together known as the British Isles. Its people are called the British. To the west of the island of Great Britain lies the island of Ireland. The island of Ireland contains two countries: the Republic of Ireland and Northern Ireland. Northern Ireland is part of the United Kingdom of Great Britain. The Republic of Ireland is not.

The British ruled over a huge empire, the largest in the world, during the 1700s and 1800s. It had colonies all over the globe. Because the empire was so widespread, people said: "The sun never sets on the British Empire." One reason that Great Britain became such a powerful empire was because of its navy, the largest and most powerful navy in the world.

The British Empire reached its largest size during the time period that became known as the Victorian Age. This was the time when Queen Victoria ruled England, from 1837 to 1901. At that time, nearly one quarter of the world's land and one-quarter of the world's people were part of the British Empire.

The styles of the Victorian Age were admired and copied here in the United States. When women went to visit their friends, they would sit in their Victorian style parlors and use their best Victorian manners.

After the Victorian Age, the size of the British Empire gradually grew smaller. Countries that were once part of the empire became independent. World War I and World War II weakened the empire. Today, although the United Kingdom is not the huge empire that it once was, it is still an important country in Europe and an ally of

Name: _____

edHelper

the United States. In the war against Iraq, Great Britain sided with the United States, even though many other countries of the world did not.

We still have a lot in common with about the UK, including our English language. American English sounds a little different from British English now, but we can still enjoy books written by English authors from the early days of our language through the present, and even watch English sit-coms on TV.

Great Britain

Questions

- _____ 1. Great Britain is a country in _____.
 - A. Europe
 - B. England
 - C. Asia
 - D. North America

- _____ 2. Great Britain's Empire was largest during _____.
 - A. the late 21th century
 - B. the late 19th century
 - C. the late 18th century
 - D. the late 20th century

- _____ 3. Great Britain includes all of the following, except _____.
 - A. England
 - B. Northern Ireland
 - C. Ireland
 - D. Scotland

- _____ 4. _____ is a part of Great Britain that is located on a separate island from England.
 - A. Wales
 - B. Scotland
 - C. England
 - D. Northern Ireland

- _____ 5. Queen Victoria ruled England _____.
 - A. for almost 65 years
 - B. during World War II
 - C. during World War I
 - D. during the American Revolution

- _____ 6. William Shakespeare was a British _____.
 - A. writer
 - B. general
 - C. musician
 - D. king

Name: _____

7. Which happened last?
- A. Great Britain entered World War I
 - B. the US entered World War I
 - C. the war in Iraq
 - D. Victoria was queen
8. The United States was once part of the British Empire.
- A. false
 - B. true

The vowels are missing in the word search.
Fill in the missing vowels and circle the words.

P	D	B	T	L	R		
L	G	H	M	T			
T	G	R	P	M	G		
N	R	M	T	S	L		
G	S	L	G	P	L	C	L
T	N	P	C	R			
F	T	N	R	G	R		
V	T	T	T	P			
B	M	R	L	R			
T	A	I	L	R	M	F	N

Write a letter that has two or more lines of symmetry.

$12 \times 5 =$

$108 \div 12 =$

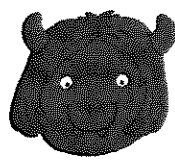
$$\begin{array}{r} 91 \\ - 25 \\ \hline \end{array}$$

LIFT • POEM • TAIL • DETEST
REGULAR • PLUNGE • TERMINATE
GREATER • ROAR • EVE • APE
GENTLE

1 km = 1,000 m
7 km = _____ m

Circle the smallest number:
86,521 4,703,915,780
9,563,943 62,493,801,742

$$\begin{array}{r} 36 \\ + 23 \\ \hline \end{array}$$



Name _____



Date _____
(Answer ID # 0209748)

Language Arts

Rewrite each sentence correctly.

1. i thought hunter g. martinez was my enemy, but he turned out to be a very good friend.

2. sierra knows incidents like wednesday's may soon become the norm rather than the exception.

Rewrite each sentence. Add the correct punctuation to show joint ownership.

3. Eric and Shawns dog has lived with them for about eight years.

4. Alexis and Graces dinner plans include ice cream for dessert.

Rewrite each sentence. Add punctuation marks where they belong.

5. Ralph Waldo Emerson once said, Life is short, but there is always time for courtesy.

6. My mom always says, If you want to have great friends, you first have to be a great friend.

Rewrite each sentence using the correct punctuation.

7. Lisa will be 16 years old on May 3 2025.

8. The pioneers loaded their covered wagons and left for the West on April 1 1847.

9. Janet will graduate from high school on June 3 2025.

Rewrite each sentence. Add punctuation marks where they belong.

10. Jasmine asked How many students are in Mrs. Johnson's class?

11. Is it true Kevin asked his Sunday school teacher that God is real?

Circle the word that best completes the sentence.

12. They don't think **(it's, its)** a good idea for me to move to California.

13. Mom is deciding **(who's, whose)** responsibility it will be to sweep the garage today.

14. **(Who's, Whose)** going to make all the phone calls to get us the food we need for the banquet?

15. A gray wolf pup calls to **(it's, its)** mother by howling.

16. The little bird couldn't find **(it's, its)** mother.

Rewrite each sentence using the correct punctuation.

17. What are the capitals of Louisiana Georgia and Texas?

18. The jobs for this week are emptying the trash wiping off the desks cleaning the marker board and vacuuming.

**AMI WORK
FRIDAY,
APRIL 17TH**

Name: _____

$$\begin{array}{r} 91 \\ - 61 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ + 87 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 136 \\ - 59 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ - 77 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ + 66 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 92 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 94 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 118 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 115 \\ - 99 \\ \hline \end{array}$$

$$\begin{array}{r} 165 \\ - 83 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ + 52 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 146 \\ - 81 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} 144 \\ - 46 \\ \hline \end{array}$$

$$\begin{array}{r} 125 \\ - 32 \\ \hline \end{array}$$

$$\begin{array}{r} 187 \\ - 93 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ + 74 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ + 67 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 22 \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 148 \\ - 53 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ + 71 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 66 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} + 6 \\ \hline \end{array}$$

$$\begin{array}{r} + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} + 5 \\ \hline \end{array}$$

$$\begin{array}{r} - 5 \\ \hline \end{array}$$

$$\begin{array}{r} + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ + 6 \\ \hline \end{array}$$

Name: _____

Wind Energy

There's nothing like the feeling of a cool breeze on a hot summer day. The wind takes the heat away from your body, making you more comfortable. Wind can be used to produce other comforts, also.

Wind is caused by the uneven heating of the Earth's surface by the sun. Warm air rises. Cooler air rushes in to fill up the space. This causes wind. Wind energy is an indirect form of solar energy. It has been used for many years to power sailboats. It also powers windmills that pump water from the ground.

Wind can also power a wind turbine. A wind turbine is a tall windmill. It has large blades that look like an airplane propeller. A wind turbine is built high on a tower. This helps it capture winds that blow freely and are not blocked by trees and buildings.

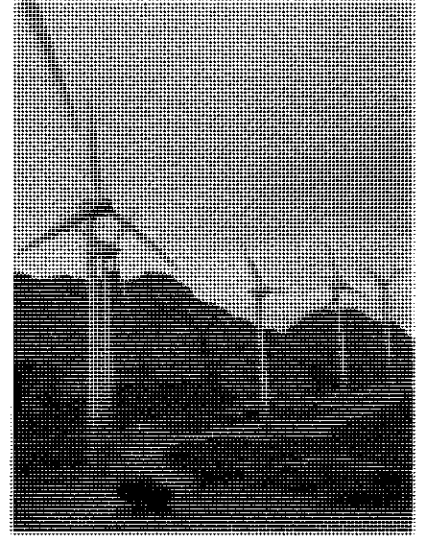
The wind turns the blades on the turbine that are connected to a generator. Electricity is produced. As the blades turn faster, more and more electricity is generated. The electricity travels through a transformer. It flows through the network of wires to homes and other buildings.

In some areas, many wind turbines have been built together on acres of land. These are called wind farms. There are many wind farms in the U.S. The majority of them are in the plains region that runs through the middle of the country. There are many wind farms in Texas, Oklahoma, Kansas, and Iowa. Numerous wind farms can also be found in the northeast, the southwest, and on the eastern side of the Cascade Mountains in Washington and Oregon.

As with all forms of energy, wind energy has advantages and disadvantages. Since it is an indirect form of solar energy, it is free. It is also a renewable resource. Another bonus is that it produces no air pollution.

One disadvantage of wind energy is that it can't be harnessed just anywhere. Wind farms have to be built in areas where wind is constantly blowing. If there is no wind, electricity is not produced. Wind turbines can be expensive to build and maintain. They can be very noisy. They can also be harmful to birds.

Use of wind energy has grown in the past few years. Wind farms have been built in many areas. Some people even install smaller wind turbines near their homes or businesses. They produce their own electricity using the power of the wind. Wind energy may help meet our growing needs for energy in the future.



Name: _____

Wind Energy

Questions

1. Name two uses for wind energy.

2. Describe a wind turbine.

3. Why is a wind turbine built high on a tower?

_____ 4. What are the blades on a wind turbine connected to?

- A. a sailboat
- B. a propeller
- C. a generator

_____ 5. Many wind turbines built together on acres of land are called a:

- A. sailboat
- B. windmill
- C. wind farm

_____ 6. A disadvantage of wind energy is that it:

- A. causes air pollution
- B. is noisy
- C. is renewable

Let's Get Fooducated!



Draw a line between each product and its ingredient list:

Sugar, Enriched Flour (Wheat Flour, Niacin, Reduced Iron, Thiamine Mononitrate (Vitamin B1), Riboflavin (Vitamin B2), Folic Acid), High Oleic Canola Oil and/or Palm Oil and/or Canola Oil and/or Soybean Oil, Cocoa (Processed with Alkali), High Fructose Corn Syrup, Cornstarch, Leavening (Baking Soda and/or Calcium Phosphate), Salt, Soy Lecithin (Emulsifier), Vanillin - an Artificial Flavor, Chocolate.

Whole grain oats, oat bran, sugar, modified corn starch, honey, brown sugar syrup, salt, tripotassium phosphate, canola oil, rice bran oil, natural almond flavor, vitamin e, calcium carbonate, zinc, iron, vitamin c, niacinamide, vitamin b6, vitamin b2, vitamin b1, vitamin a, folic acid, vitamin b12, vitamin d3.

Carbonated Water, High Fructose Corn Syrup, Caramel Color, Phosphoric Acid, Natural Flavors, Caffeine

Enriched Flour (Wheat Flour, Niacinamide, Reduced Iron, Thiamin Mononitrate [Vitamin B1], Riboflavin [Vitamin B2], Folic Acid), Corn Syrup, High Fructose Corn Syrup, Dextrose, Vegetable Oil (Soybean, Cottonseed and Hydrogenated Cottonseed Oil (Less than 0.5 g Trans Fat per Serving) with TBHQ and Citric Acid for Freshness), Sugar, Cracker Meal, Contains Two Percent or Less of Wheat Starch, Salt, Dried Strawberries, Dried Apples, Dried Pears, Cornstarch, Leavening (Baking Soda, Sodium Acid Pyrophosphate, Monocalcium Phosphate), Citric Acid, Milled Corn, Modified Wheat Starch, Gelatin, Caramel Color, Partially Hydrogenated Soybean and/or Cottonseed Oil (Less than 0.5 g Trans Fat per Serving), Modified Corn Starch, Xanthan Gum, Soy Lecithin, Color Added, Niacinamide, Reduced Iron, Red No. 40, Vitamin A Palmitate, Yellow No. 6, Pyridoxine Hydrochloride (Vitamin B6), Riboflavin (Vitamin B2), Thiamin Hydrochloride (Vitamin B1), Folic Acid, Turmeric Color, Blue No. 1.

Tomato Concentrate from Red Ripe Tomatoes, Distilled Vinegar, High Fructose Corn Syrup, Corn Syrup, Salt, Spice, Onion Powder, Natural Flavoring.

Name: _____

edHelper

France

The history of a relationship between the United States and France goes all the way back to the Revolutionary War in which France came to the support of the United States. Military support and advice from France helped this new country win its independence.

France and the United States have a lot in common. In fact, both countries fought a war for independence around the same time in history. The French Revolution was fought for the rights of the common citizens to govern themselves. Their slogan was "Liberty, Equality, Fraternity." This was something American citizens could understand well, since they had also fought a war for the freedom to govern their own country.

America had other ties with France too. American citizens often traveled to France to study art, music, literature, and even good manners. French creations from fashions to recipes were copied here in the United States.

In more recent times, France and the United States have been allies in the two world wars.

France was prepared for World War I before it began. There had been trouble between France and Germany already, and France built up its military strength to be ready in case of an attack. Many, many soldiers were added to its army and trained to be ready for war.

France also built up its navy in preparation for the war. By the start of the war, it had a fleet of battleships, submarines, cruisers, destroyers, and other ships.

France had air power too, even though these were still the early years of flight. As a matter of fact, France led the world in aircraft design at that time.

To be prepared in case a war began, France also formed alliances. Alliances are agreements between countries to support each other in case of war. France formed an alliance, known as the Triple Entente, with Great Britain and Russia.

When the war did start, France needed every bit of the strength that it had built up. France became a major battleground of the war. Fighting continued for three years on the border between France and Germany, which became known as the Western Front. French soldiers in the trenches must have thought that the war would go on forever.

Finally, the war did end. France's preparations for war had helped lead it to success. The Allies, including France, won the war, although each country had suffered the deaths of huge numbers of its citizens. The peace treaty gave

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territories known as Alsace and Lorraine back to France, and France was also awarded damages to be paid by Germany.

Everyone was relieved that the war was over, and people from every country that had been in the war turned their thoughts to rebuilding their old lives as well as they could. France also had another kind of rebuilding in mind. It decided to rebuild its defenses along its borders with Germany. That way, if another war did occur, France would again be ready.

France

Questions

- _____ 1. France and the United States were allies in _____.
- A. the Revolutionary War
 - B. World War I
 - C. World War II
 - D. all of the above
- _____ 2. All of the following countries were allies in World War I, except _____.
- A. France
 - B. Great Britain
 - C. Germany
 - D. United States
- _____ 3. France _____ at the end of World War I.
- A. became part of another country
 - B. remained the same
 - C. lost territory
 - D. gained territory
- _____ 4. France suffered _____ casualties in World War I.
- A. 1,000
 - B. 1,000,000
 - C. many
 - D. only a few
- _____ 5. After World War I, France _____.
- A. got rid of all of its weapons
 - B. rebuilt defenses along its borders
 - C. built military jet fighters
 - D. formed an alliance with Germany
- _____ 6. This article was about a country that _____.
- A. was prepared for war
 - B. remained neutral
 - C. was not prepared for war
 - D. was tricked into entering a war

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- _____ 7. France did all of the following to prepare for war, except _____.
- A. form an alliance
 - B. build up its army
 - C. build up its navy
 - D. build a wall along its border

- _____ 8. In the last paragraph, it says that France wanted to be prepared in case there was another war. We know that France did enter another war because of information in paragraph _____.
- A. three
 - B. one
 - C. four
 - D. two

Round 1467 to the nearest hundred.

Write the greatest possible 5-digit number using only 4 different numbers.

$706 + 7 =$

Write the first 6 multiples of 7.

Double the number 7 three times.

Megan has 26 nickels. How much money is that?

$12 \times 6 =$

double 50 =

Is 23 a composite or a prime number?

How many feet are in 3 yards?
_____ feet

Write a synonym for this word.
support

Name _____

Date _____
(Answer ID # 0286738)

Read each sentence. Mark the space for the answer that shows correct punctuation and capitalization for the underlined words.

<p>1. Mr. Ball gave a speech at our Independence <u>Day, celebration?</u></p> <p><input type="radio"/> A Day, celebration. <input type="radio"/> B day celebration? <input type="radio"/> C Day Celebration. <input type="radio"/> D Day celebration. <input type="radio"/> E Correct as is</p>	<p>2. About 6 <u>o'clock, we,</u> will leave for the musical.</p> <p><input type="radio"/> A O'clock we <input type="radio"/> B o'clock we, <input type="radio"/> C o'clock, we <input type="radio"/> D o'clock we <input type="radio"/> E Correct as is</p>
<p>3. <u>Hawaii's</u> volcanoes have been active in recent history.</p> <p><input type="radio"/> A Hawai'is <input type="radio"/> B Hawaii's' <input type="radio"/> C Hawaiiis <input type="radio"/> D Correct as is</p>	<p>4. Dr. Stewart examined my teeth and said that I do not have <u>any cavities.</u></p> <p><input type="radio"/> A any cavities? <input type="radio"/> B any, cavities. <input type="radio"/> C Any, Cavities? <input type="radio"/> D Correct as is</p>
<p>5. Is that wonderful voice really <u>Ann's?</u></p> <p><input type="radio"/> A Annas'? <input type="radio"/> B Anna's? <input type="radio"/> C Annas? <input type="radio"/> D Correct as is</p>	<p>6. Yes, we would like to sit at the table by <u>The, Window.</u></p> <p><input type="radio"/> A The Window. <input type="radio"/> B the, window. <input type="radio"/> C the window. <input type="radio"/> D Correct as is</p>
<p>7. "Everything is just perfect at the moment," <u>Nancy Said?</u></p> <p><input type="radio"/> A Nancy said? <input type="radio"/> B Nancy, said? <input type="radio"/> C Nancy said. <input type="radio"/> D nancy, said. <input type="radio"/> E Correct as is</p>	<p>8. <u>Cameron's</u> portion of meat includes three pieces.</p> <p><input type="radio"/> A Camerons' <input type="radio"/> B Camero'ns <input type="radio"/> C Camerons <input type="radio"/> D Correct as is</p>
<p>9. Sarah, my little sister, has broken a lot of <u>My toys.</u></p> <p><input type="radio"/> A my, toys. <input type="radio"/> B my toys. <input type="radio"/> C My Toys. <input type="radio"/> D Correct as is</p>	<p>10. <u>president Nixon</u> resigned from office on August 9, 1974.</p> <p><input type="radio"/> A president, nixon <input type="radio"/> B President, Nixon <input type="radio"/> C president nixon <input type="radio"/> D President Nixon <input type="radio"/> E Correct as is</p>