

Name: _____

4th Grade

Snow Day Work

Day # 5

Name: _____

Fact or Opinion

A **fact** is something that is true or can be proven.

An **opinion** is your feelings or how someone else feels about a topic.

Write one fact and one opinion for each topic.

example: *music*

Fact: The violin is a stringed instrument.

Opinion: Jazz is the most beautiful type of music.



1. *candy*

Fact: _____

Opinion: _____

2. *tree*

Fact: _____

Opinion: _____

3. *monkey*

Fact: _____

Opinion: _____

Name: _____

Fact or Opinion

4. *carrot*

Fact: _____

Opinion: _____

5. *Australia*

Fact: _____

Opinion: _____

6. *bird*

Fact: _____

Opinion: _____

7. *pizza*

Fact: _____

Opinion: _____

8. *piano*

Fact: _____

Opinion: _____

9. *banana*

Fact: _____

Opinion: _____

Name: _____

What's the Deal with Mold?

By Lydia Lukidis

If you leave a sandwich outside for several days, it will start to look and smell funky. White fuzz begins to form, then it gets bigger and turns black. This is commonly known as mold. But what is that weird stuff anyway, and where does it come from?

Mold is a type of fungus. If you're wondering what fungus is, it's a living thing that's not a plant or animal. Mushrooms are another type of fungus. And imagine this, there are literally thousands of different kinds of mold.

There's everything from fuzzy white mold to dark blue spotted mold. Some molds have funny names like "Scopulariopsis" and "Aureobasidium."

Mold can grow in any part of the world, both inside or outside. Especially in wet areas. If you've ever wondered where it comes from, the answer may surprise you. Mold comes from the air. There are millions of little mold cells floating around in the air. These are called mold spores. If these spores land on a host, like a sandwich, they will "eat" the bread. The spores grow by feeding off the bread. They produce chemicals that break the bread down. Eventually, the sandwich rots.

Mold can be harmful at times. For example, some types of mold can form in the house. It is common for mold to form on drywall, or behind the walls. It can also grow on the ceiling or near the windows. Many molds are harmless. But others can release toxic fumes, like black mold. These are dangerous to smell. Also, some people have allergies and sensitivities. They can get very sick if they breathe in certain other types of mold.

As for the molds that grow on food, they're not good to eat. Think about it, would



you want to eat a sandwich that's been growing mold for a week? Probably not. If you did, you may get sick. The mold is breaking down the food to the point of being rotten.

But there are a few exceptions when it comes to eating mold. For example, blue cheese has patches of blue mold in it. But it's okay to eat it. And the flavor of some hard cheeses is better once the outer layer has mold on it. You don't eat the mold, but if you cut it off, you can eat the rest of the cheese.

Although you may find mold gross, it can also be useful. There is a special kind of mold that is used to make penicillin. Penicillin is a medicine. It's a common antibiotic used for many diseases like strep throat.

Mold is also part of our cycle of life. In a natural environment, rotting things return to the soil. That provides food for the other plants to grow. Every little thing, including mold, has a purpose in nature.

About the Author



Lydia Lukidis is a published children's author with a multi-disciplinary background that spans the fields of literature, theater, and puppetry.

Lydia's picture book, *Gerbs in the House: The Dilly Dally Bedtime Routine*, is now available. Find out if Mocha will ever get his silly son to sleep!

Lukidis, Lydia. *Gerbs in the House: The Dilly Dally Bedtime Routine* ISBN: 978-0-9917402-7-7

Name: _____

What's the Deal with Mold?

By Lydia Lukidis



1. Choose the statement about mold that is true.
 - a. Mold is a type of plant.
 - b. Mold is a type of animal.
 - c. Mold is a living thing that is neither a plant nor an animal.
 - d. Mold is a nonliving thing.

2. Where does mold grow?
 - a. On food that has been left out for too long
 - b. Behind walls and near windows
 - c. Neither **a** nor **b**
 - d. Both **a** and **b**

3. Put a check mark () next to the statements about mold that are true.
 - There are about one hundred different types of mold in existence.
 - There are thousands of types of mold in existence.
 - All mold looks white and fuzzy.
 - Mold can come in a variety of colors, such as white, green, blue, and black.

4. In most cases, you don't want to eat mold because it could be harmful to your body. Give one example from the text of when you **can** eat mold.

5. What are mold spores?

Name: _____

What's the Deal with Mold?

By Lydia Lukidis



Match each vocabulary word from the article with the correct definition.

_____ 1. environment

a. dangerous; likely to cause harm

_____ 2. fungus

b. a type of medicine that kills harmful bacteria in the body

_____ 3. wondered

c. dirt or earth

_____ 4. harmful

d. the body's overreaction to pollen, fur, or other substances

_____ 5. soil

e. the surroundings in which an animal or plant lives

_____ 6. toxic

f. thought about or showed curiosity about something

_____ 7. allergies

g. decayed

_____ 8. antibiotic

h. make or create

_____ 9. rotten

i. a type of organism that falls into the same group as mold, mushrooms, or toadstools

_____ 10. produce

j. poisonous

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What's the Deal with Mold?

By Lydia Lukidis

In the article, "What's the Deal with Mold?" you learned that mold can be both helpful and harmful to humans.



On the lines below, explain how mold can be **harmful** to humans. Then discuss how mold can be **helpful** to humans. Finally, how does mold help the natural environment?

Name: _____

Out of This World!

Imagine you were taking a trip to outer space. Describe what it's like and tell what kinds of things you do when you get there.



Name: _____

Page _____

Out of This World!

Lined writing area with 18 horizontal lines for text.

Name: _____

Out of This World!

Draw a picture to go along with your story.

Name: _____

Out of This World!



Name: _____

Where I Live

House number: _____

Street: _____

Town or city: _____

County: _____

State: _____

Country: _____

Continent: _____

Hemispheres: _____ and _____

Planet: _____

Draw a picture of your home.

Draw a map of your state.

Name: _____

Multiplication Word Problems

Use multiplication to solve each problem. Use the empty space to the right of each problem to show your work. Write your answer on the blank line by each question.



Work Space

1. Justin, Carl, Ryan, and Will each have seventy-two alien trading cards. How many cards do they have in all?

Answer: _____

2. Jason has 9 quarters. How much money does he have?

Answer: _____

3. Carla earns \$13 an hour cleaning houses. How much will she earn if she works from 8:00am to 2:00pm?

Answer: _____

4. Harry buys 9 dozen eggs. How many eggs does he have in all?

Answer: _____

5. There are 93 calories in a small candy bar. How many calories are there in a half dozen small candy bars?

Answer: _____

6. Kyle's phone bill is \$45 per month. How much does he have to pay for half a year of phone service?

Answer: _____

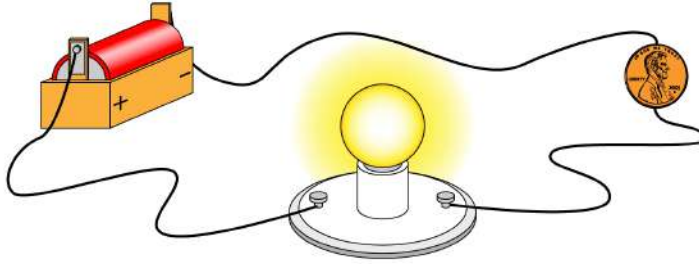
Name: _____

Conductors and Insulators

A **conductor** is a material that allows electricity to flow through it.

An **insulator** is a material that electricity cannot flow through.

To determine whether an object is a conductor or insulator, you can build a simple circuit with a battery, light bulb, and three pieces of wire.

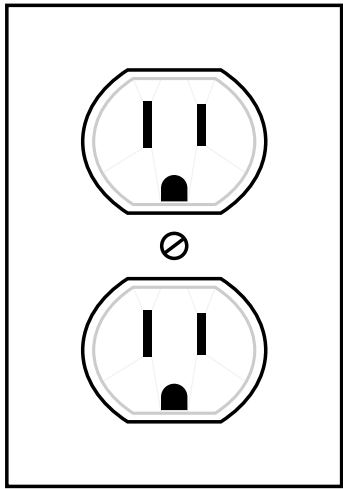


Touch the free ends of the wire to the object you are testing. If the light bulb lights up, the object is made from a conductor. If it does not, the object is made from an insulator.

Complete the table. Predict whether each item is made from a material that is a conductor or insulator. Then test each item to determine if it is made from a conductor or insulator.

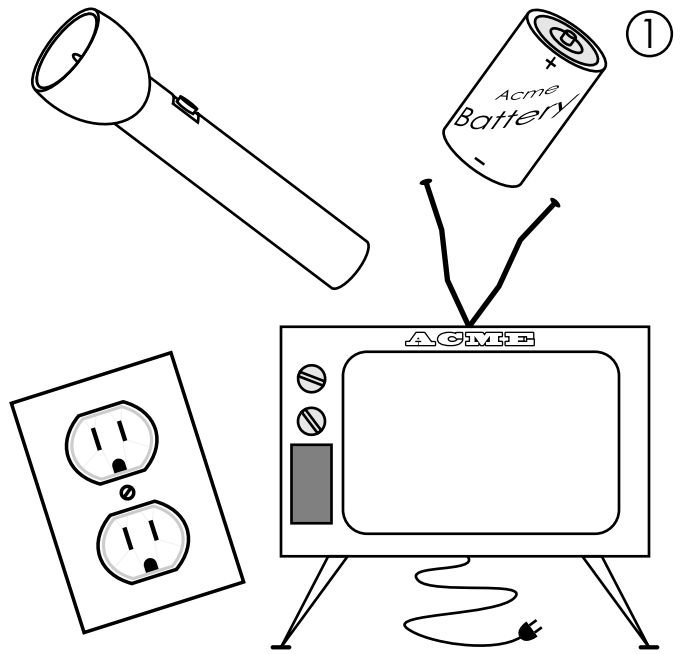
Object	Prediction: Conductor or Insulator?	Result: Conductor or Insulator?
rubber band		
penny		
nickel		
toothpick		
key		
paper clip		
brass paper fastener		
glass microscope slide		
(your choice)		
(your choice)		

CURRENT ELECTRICITY

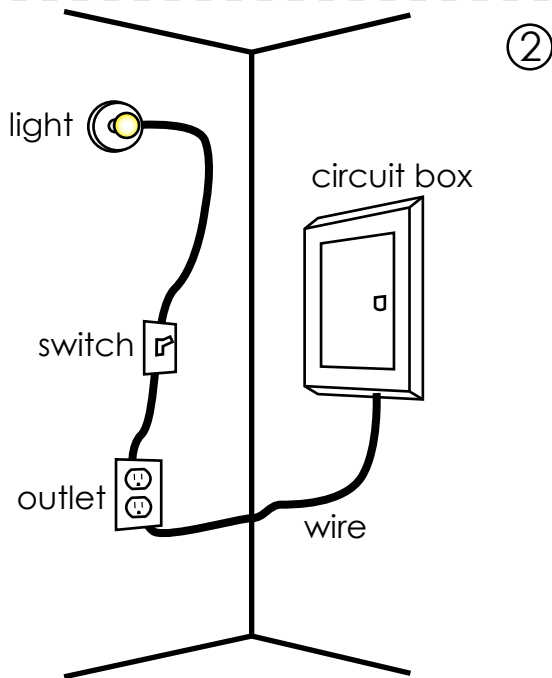


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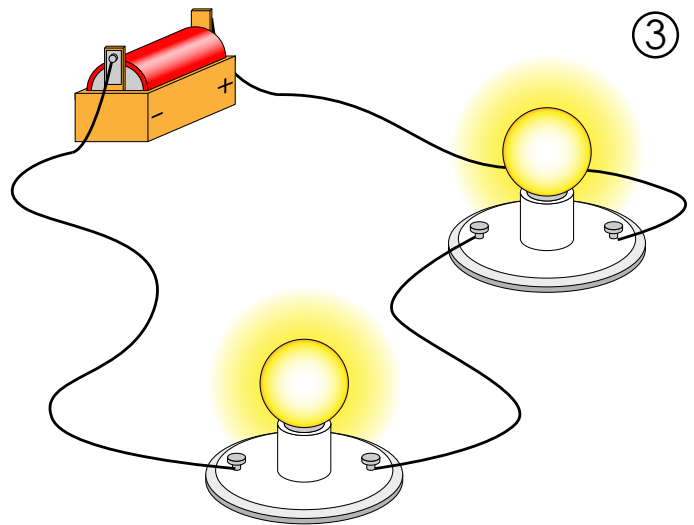
Super Teacher Worksheets - www.superteacherworksheets.com



Electricity from the wall outlets in your house powers your television, computer, lights, and microwave. Cell phones, flashlights, and even a car's headlights are powered by the electricity in batteries.

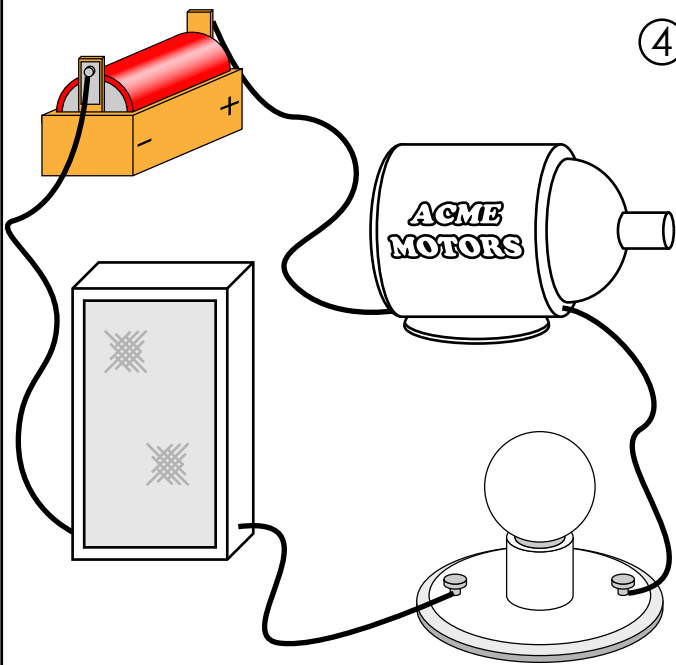


The type of electricity that is used to power things we use is called *current electricity*. Current electricity is electricity that flows through wires. The path that electricity follows is called a circuit.



The picture above shows a circuit. Electricity flows from the negative side of a battery, through the wires, and lights the bulb. The electricity continues to travel around to the positive side of the battery.

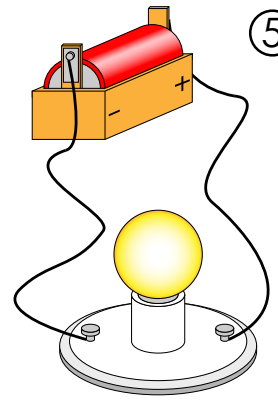
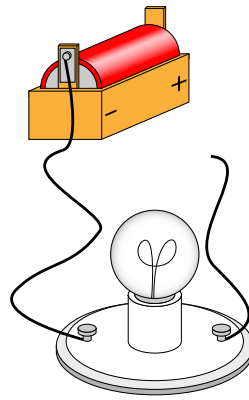
Draw arrows on the picture to show the path of the electricity.



4

Something that uses some of the electricity in a circuit is called a *resistor*. Resistors could also be things like light bulbs, motors or speakers.

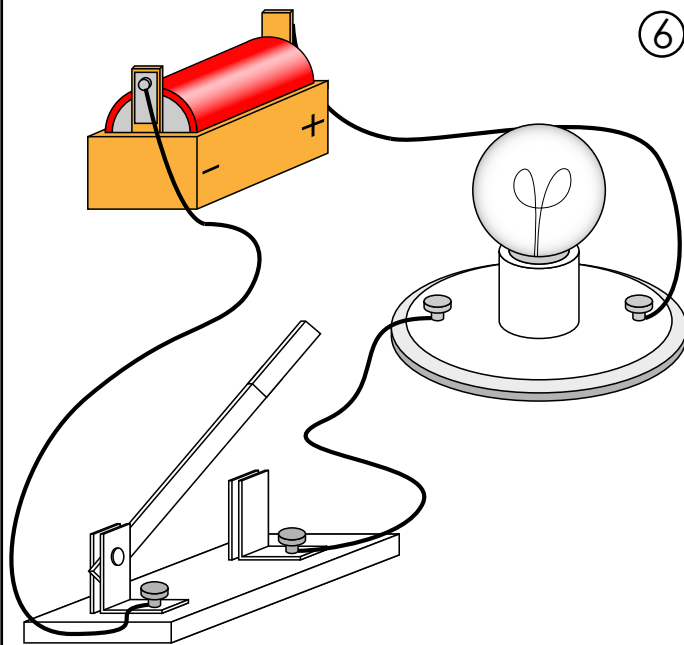
Color the resistors in the circuit above.



5

A circuit can be *open* or *closed*. When a circuit is closed, it is complete and there is no break in the path that the charges must follow. When a circuit is open, it is incomplete and charges can't flow through.

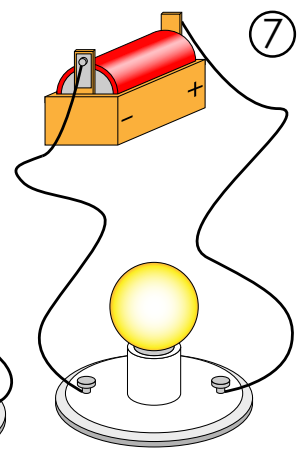
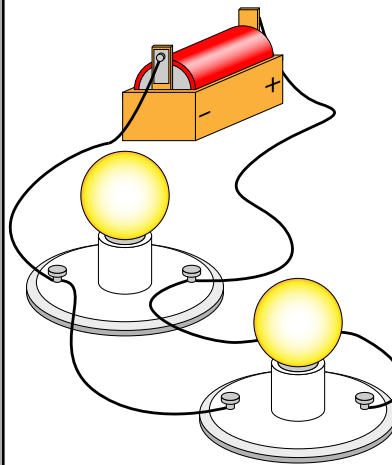
Label the two circuits above with the words "open circuit" and "closed circuit."



6

A switch is sometimes added to a circuit. The switch opens and closes a circuit to turn resistors on and off.

Color the switch in the circuit above.



7

In a *series circuit*, electricity can follow only one path. In a *parallel circuit*, electricity has more than one path to follow.

Label the two circuits above with the words "series circuit" or "parallel circuit."

Fix the Misspelled Words

Circle the spelling word in each sentence.

If the word is spelled correctly, write CORRECT on the line.

If the word is spelled incorrectly, write the correct spelling on the line.

1. Tessa painted a colorfull picture in art class. 1. _____
2. The surprise birthday party for Ronit was a wonderful success. 2. _____
3. Because of one zookeeper's careless mistake, a monkey was running around the zoo! 3. _____
4. The size of the statue was almost as impresive as its beauty. 4. _____
5. Jamie wants to make her last day in fourth grade memorible. 5. _____
6. Quinn cleaned the kitchen until it was spotless and shiny. 6. _____
7. Theo stays active by playing basketball and lifting weights . 7. _____
8. The secretary at the salon greeted me with a chearful smile. 8. _____
9. Kit was thoughtfull for a long time before he gave an answer. 9. _____
10. Please don't cram brakeable glasses into the dishwasher. 10. _____
11. The grizzly bear looked masive when it stood on its hind legs. 11. _____
12. Isabel was breathless after her jog in the freezing air. 12. _____

Name: _____

13. The soldier earned a medal for his honorable actions in battle. 13. _____
14. Bentley's home run was a remarkable combination of talent and luck. 14. _____
15. An adaptable animal can survive a changing environment. 15. _____
16. Do you have a reasonable excuse for being late to class? 16. _____
17. Mr. Finnegan, the janitor, is a kind and likeable man. 17. _____
18. Your situation isn't hopeless if you don't believe it is. 18. _____
19. Taylor is very creative, and she makes beautiful jewelry. 19. _____
20. The windy, rainy weather is making this afternoon miserable. 20. _____

Review Words

21. Suri ran around the backyard with his new puppy. 21. _____
22. Caleb is worried his little brother might destroy his sandcastle. 22. _____
23. Do you know of any book that has a thousand pages? 23. _____

Challenge Words

24. The waterfall on the restaurant's back patio is so peaceful. 24. _____
25. Lance thought the end of the movie was very predictable. 25. _____