

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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1.

Read the passage.

Karen has two sisters and one younger brother. Her parents and grandmother also live with her. She is the only blonde in her family. However, everyone in her family has brown eyes.

Which of these is being described in the passage?

- A. gene display
  - B. inherited traits
  - C. learned behaviors
  - D. nature versus nurture
- 

2. Which animals are cold-blooded, live part of their lives in water and part on land, and go through metamorphosis?

- A. reptiles
  - B. amphibians
  - C. birds
  - D. mammals
- 

3. The mass of a solid object stays the same until

- A. it is put into orbit in space.
  - B. it changes volume by expanding or contracting.
  - C. matter is added to or taken away from the object.
  - D. the object is taken to another planet where the force of gravity is different.
- 

4. As plants grow, they take nutrients from the soil. How are nutrients in the soil naturally replaced?

- A. falling rain
  - B. decomposing plants
  - C. adding fertilizer
  - D. feeding animals
- 

5. Which of the following is an example of MELTING?

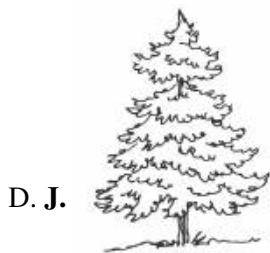
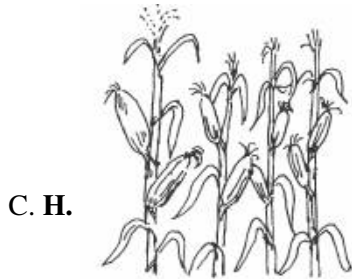
- A. stirring some sugar in water until you cannot see the sugar
  - B. heating a pan of water until the water is all gone
  - C. heating a block of ice until the ice turns to water
  - D. cooling water in the freezer until the water becomes solid
- 

6.

Static electricity can be built up by

- A. clothes spinning around in a dryer.
- B. a battery and a light bulb.
- C. plugging in an iron.
- D. a glass of water.

7. Which of these is *not* a plant?



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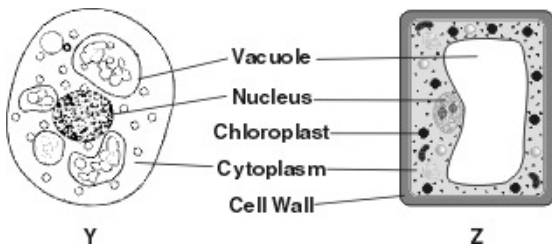
8.

Which of these can be caused by a microorganism?

- A. tooth decay
  - B. sprained wrist
  - C. broken finger
  - D. paper cut
-

9.

Use the pictures below to answer this question.



Which statement is true about Cell Z and Cell Y?

- A. Cell Z makes its own food; Cell Y does not.
  - B. Cell Y uses oxygen; Cell Z does not.
  - C. Cell Y is rigid; Cell Z is not.
  - D. Cell Z needs water; Cell Y does not.
- 

10.

If a repairman is working on a small watch, why might he need to use a magnifying glass?

- A. to see the tiny parts of the watch
  - B. to increase the light on the watch
  - C. to make the watch smaller
  - D. to correct his vision
- 

11. An example of a liquid turning into a gas is

- A. a chocolate candy bar melting.
  - B. ice cream dripping.
  - C. steam turning into ice.
  - D. water boiling.
- 

12. Which material conducts electricity?

- A. piece of glass
  - B. cotton T-shirt
  - C. rubber ball
  - D. copper coin
- 

13. Joe and Jill made a volcano using baking soda and vinegar. When they put them together the volcano foamed and bubbled. This is an example of

- A. a weight change.
  - B. a chemical change.
  - C. a physical change.
  - D. a density change.
-

14. When an area of Earth's surface suddenly moves, a seismograph draws wavy lines. Which of the following MOST LIKELY happened?

- A. a volcanic eruption
  - B. a thunderstorm
  - C. a nuclear explosion
  - D. an earthquake
- 

15.

What is one way in which bar magnets and electromagnets are alike?

- A. They both can attract iron, nickel and cobalt.
  - B. They both need a current to operate.
  - C. They are both permanent magnets.
  - D. They are both temporary magnets.
- 

16. How are the animals in the columns of the chart below grouped?

Group 1	Group 2
Whale	Hawk
Shark	Eagle

- A. where they live
  - B. how they breathe
  - C. if they have tails or not
  - D. if they are carnivores or not
- 

17.

Predict the results of this experiment.

Weigh a classmate. Record. Have them remove their shoes and socks. Weigh items and record. They should remove any other items that they can (outer shirt, watch, jewelry, jacket). Weigh items and record. Weigh the classmate again and add all the item weights together.

Compare the results of the first weigh in to the last. What conclusion do you reach?

- A. The last weight is less.
  - B. The numbers add up to more than the original weigh in.
  - C. The individual parts weigh less on the classmate than they do by themselves.
  - D. The weight is the same at the end as the beginning when all parts are added together.
-

18.

Which of the following is a benefit of microorganisms?

- A. They do not multiply.
  - B. They are used to make medicine.
  - C. They feed on living things.
  - D. They remove minerals from the soil.
- 

19.

The geological process by which material is added to a landform is called

- A. sediment.
  - B. deposition.
  - C. erosion.
  - D. weathering.
- 

20. **Tearing paper is an example of a —**

- A. physical change.
- B. chemical change.
- C. chemical reaction.
- D. solution.

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21.

If you took a woolen cloth and rubbed it briskly over your hair, your hair would stand on ends. What has been created?

- A. insulator
  - B. lightning
  - C. chemical change
  - D. static electricity
- 

22. How are dandelion seeds different from apple seeds?

- A. Dandelion seeds produce new plants.
  - B. Dandelion seeds are not formed from the flowers.
  - C. Dandelion seeds need rain, soil, and sunlight to germinate.
  - D. Dandelion seeds are light and can be carried by the wind.
-

23.

Which components could complete an electric circuit?

- A. wire, bulb, switch
  - B. battery, bulb, switch
  - C. battery, wire, switch
  - D. battery, wire, bulb
- 

24. The flattest part of the ocean floor is the

- A. trench.
  - B. abyssal plain.
  - C. continental shelf.
  - D. mid-ocean rift valley.
- 

25. Would it be good for your health to kill all of the bacteria in your body?

- A. Yes. Most bacteria in your body are harmful. Killing all of the bacteria would get rid of these bacteria.
- B. No. Many bacteria in your body are beneficial. These beneficial bacteria help your body perform physiological functions, such as digestion.
- C. Yes. Getting rid of all bacteria in the body would prevent most diseases. This is why doctors use antibiotics.
- D. No. The harmful bacteria in your body are important for stimulating the immune system.

**Answer Key**

1. B) inherited traits
2. B) amphibians
3. C) matter is added to or taken away from the object.
4. B) decomposing plants
5. C) heating a block of ice until the ice turns to water
6. A) clothes spinning around in a dryer.



7. B) **G.**

8. A) tooth decay
9. A) Cell Z makes its own food; Cell Y does not.
10. A) to see the tiny parts of the watch
11. D) water boiling.
12. D) copper coin
13. B) a chemical change.
14. D) an earthquake
15. A) They both can attract iron, nickel and cobalt.
16. A) where they live
17. D) The weight is the same at the end as the beginning when all parts are added together.
18. B) They are used to make medicine.
19. B) deposition.
20. A) physical change.
21. D) static electricity

22. D) Dandelion seeds are light and can be carried by the wind.

23. D) battery, wire, bulb

24. B) abyssal plain.

25. B) No. Many bacteria in your body are beneficial. These beneficial bacteria help your body perform physiological functions, such as digestion.