

Earth Science Grade 6 Quiz

Teacher's Answer Key

1. Fill in the blank: A battery produces _____ energy from _____ energy. (electrical, chemical)
2. Another name for a battery is: (voltaic cell)
3. As one chemical in a battery loses electrons, what happens to the other chemical? (gains electrons)
4. What type of energy source is the solar panel most closely related to? (chemical battery)
5. Electricity is another name for the free flow of: (electrons)
6. Name two ways energy is transferred: (heat, sound, radiation, etc.)
7. What is one way to describe energy? (the ability to do work)
8. Work is when something moves when: (Energy is used over a distance.)
9. What type of heat energy is transmitted by the sun? (radiation)
10. Circle the following phenomena influenced by the sun: (climate, weather, wind, pressure)
11. Name three sources of renewable energy: (water, wind, solar power)
12. In your own words, what is energy conservation? (answers will vary)
13. List 5 ways you can conserve energy in your own home. (answers will vary)
14. Why is it important to look for renewable sources of energy? (Because other sources of energy will run out and are finite.)
15. Windmills generate what kind of energy? (electrical)
16. The light that comes from the _____ is pure energy. (sun)
17. True or false: the molecules in hotter objects move faster than in cooler objects. (true)
18. What is the dewpoint? (a temperature that if you go below it, the water in the air turns into fog)

Earth Science Grade 6 Quiz

Student Quiz Sheet

Name _____

1. Fill in the blank: A battery produces
_____ energy from
_____ energy.
2. Another name for a battery is:
 - a. Solar array
 - b. Voltaic cell
 - c. Nuclear reactor
 - d. Fusion cell
3. As one chemical in a battery loses electrons, what happens to the other chemical?
 - a. It loses electrons
 - b. It gains electrons
 - c. Nothing
 - d. It decomposes
4. What type of energy source is the solar panel most closely related to?
 - a. Biofuel
 - b. Chemical battery
 - c. Nuclear reactor
 - d. Plant energy
5. Electricity is another name for the free flow of:
 - a. Protons
 - b. Quarks
 - c. Electrodes
 - d. Electrons
6. Which of the following best describes how sound gets to us?
 - a. Chemical electricity
 - b. Solar radiation
 - c. Heat conduction
 - d. Vibrating molecules
7. What is one way to describe energy?
 - a. The amount of atoms moving around at any given moment
 - b. Electrons flowing from one area to another
 - c. The ability to do work
 - d. The square root of the speed of an electron
8. Work is when something moves when:
 - a. Force is applied
 - b. Energy is used
 - c. Electrons are lost or gained
 - d. A group of atoms vibrate
9. What type of heat energy is transmitted by the sun?
 - a. Conduction
 - b. Convection
 - c. Plasma
 - d. Radiation
10. Circle the following phenomena influenced by the sun:
 - a. Pressure
 - b. Climate
 - c. Weather
 - d. Wind
11. Name three sources of renewable energy:
 - a.
 - b.
 - c.

12. In your own words, what is energy conservation?

17. True or false: the molecules in hotter objects move faster than in cooler objects.

18. What is the dewpoint?

13. List 5 ways you can conserve energy in your own home.

14. Why is it important to look for renewable sources of energy?

15. Windmills generate what kind of energy?

16. The light that comes from the _____ is pure energy.