

Name: _____
 Date: _____
 Class: _____

1. Which of these is not currently a source of usable energy?

- a. The sun
- b. The moon
- c. Heat from within the earth's crust
- d. Running water

2. What can you infer about fossil fuels from their name?

- a. They emit harmful gases when burned.
- b. They've been buried in the earth's crust for millions of years.
- c. They're the most abundant energy source on the planet.
- d. They're used to make gasoline.

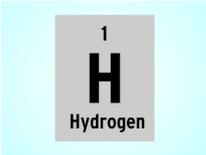
3. Where would you be likely to find a generator?

- a. At a power plant that supplies electricity to an entire town
- b. Inside a coal-burning stove
- c. In the furnace that heats your school
- d. In your car's gas tank

4. How do generators use magnets to create electricity?

- a. A magnet can induce an electric current in a coil of wire
- b. A magnet can separate electrically-charged particles from non-charged particles
- c. A magnet can attract electric energy from the air and transfer it to a wire
- d. A magnet can draw electrical energy from within the earth's crust

5. In the word "hydroelectricity," which of the following does the prefix "hydro-" relate to? Choose the best answer.

a. 	b. 
c. 	d. 

6. Which of the following is a true statement about fossil fuels?

- a. Burning them creates air pollution
- b. There is an infinite supply of them within the earth's crust
- c. They are very difficult to refine into usable fuel
- d. They are not carbon-based

7. What happens in nuclear fission?

- a. Energy is released when two atoms collide with one another
- b. Energy is released when two atoms travel at the speed of light
- c. Energy is released when an atom is split apart
- d. Energy is released when two atoms are combined

8. In what order were the following energy sources discovered by humans?

- a. Biomass energy was discovered first; then fossil fuels, then fuel cells
- b. Fossil fuels were discovered first, then fuel cells, then biomass energy
- c. Fuel cells were discovered first; then fossil fuels, then biomass energy
- d. Biomass energy was discovered first, then fuel cells, then fossil fuels

9. Which of these is an example of biomass energy?

- a. A coal-burning generator
- b. A wood-burning stove
- c. A gasoline-burning automobile
- d. An automobile that operates on fuel cells

10. Why are fuel cells considered a "clean" energy source?

- a. The electricity they produce cannot harm humans
- b. They produce a kind of soap when burned
- c. They do not have to be manufactured in factories
- d. They do not emit environmentally harmful byproducts