All About Energy Pre/Post Test Answers

Please circle the best answer for each of the following questions about energy.

1. What is energy?
   a. Energy is the motion of the planets around the sun.
   b. Energy is the ability to do work.
   c. Energy is what causes the four seasons.

2. Select the statement that is FALSE:
   a. Energy can give off light.
   b. Energy can produce heat.
   c. Energy can be created and destroyed.
   d. Energy causes movement.

3. True or False: Electricity is a type of energy.
   a. True
   b. False

4. Electricity is caused by the _______ of charged particles.
   a. movement
   b. attraction
   c. loss
   d. explosion

5. Choose the best definition for each of the following terms.
   _c_ Charge   a. The flow of electricity
   _a_ Current   b. Something that keeps electricity from moving
   _d_ Voltage   c. Electrical energy of a particle
   _b_ Resistance d. The amount of electricity that is able to flow

6. Engineers use _______ to control the flow of electricity.
   a. electrons
   b. protons
   c. circuits
   d. current

7. Where does our electricity come from?
   a. Electricity floats in the air.
   b. Electricity is something we can buy at the store.
   c. Electricity comes from the wall.
   d. Electricity is made at power plants.

8. Which activity does NOT conserve energy?
   a. Riding a bike instead of driving a car
   b. Leaving outside lights on during the day
   c. Reading or playing outdoors instead of watching TV
   d. Wearing warm clothes when it is cold outside

9. True or False: We have an unlimited amount of non-renewable resources like coal, oil and natural gas.
   a. True
   b. False

10. Which is NOT an example of a renewable energy resource?
    a. Wind turbines
    b. Energy conservation
    c. Natural gas
    d. Solar panels