

## All About Energy

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



- What is energy?
  - Energy is the motion of the planets around the sun.
  - Energy is the ability to do work.
  - Energy is what causes the four seasons.
- Select the statement that is FALSE:
  - Energy can give off light.
  - Energy can produce heat.
  - Energy can be created and destroyed.
  - Energy causes movement.
- True or False: Electricity is a type of energy.
  - True
  - False
- Electricity is caused by the \_\_\_\_\_ of charged particles.
  - movement
  - attraction
  - loss
  - explosion
- Choose the best definition for each of the following terms.

___ Charge	a. The flow of electricity
___ Current	b. Something that keeps electricity from moving
___ Voltage	c. Electrical energy of a particle
___ Resistance	d. The amount of electricity that is able to flow
- Engineers use \_\_\_\_\_ to control the flow of electricity.
  - electrons
  - protons
  - circuits
  - current
- Where does our electricity come from?
  - Electricity floats in the air.
  - Electricity is something we can buy at the store.
  - Electricity comes from the wall.
  - Electricity is made at power plants.
- Which activity does NOT conserve energy?
  - Riding a bike instead of driving a car
  - Leaving outside lights on during the day
  - Reading or playing outdoors instead of watching TV
  - Wearing warm clothes when it is cold outside
- True or False: We have an unlimited amount of non-renewable resources like coal, oil and natural gas.
  - True
  - False
- Which is NOT an example of a renewable energy resource?
  - Wind turbines
  - Energy conservation
  - Natural gas
  - Solar panels