

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