

Unit 5 Lesson 1

1. Electrical Energy ~ the energy of moving electrons
2. Electron ~ negatively charged particle of an atom
3. Like Charges ~ charges that are the same repel each other
4. Unlike Charges ~ charges that are different attract each other
5. Static Electricity ~ the separation of positive and negative charges on an object
6. Electric Current ~ the steady flow of electrons

Unit 5 Lesson 2

1. Conductor ~ a substance that allows electrons to flow through it easily
2. Insulator ~ a substance that doesn't allow electrons to flow through it easily

Unit 5 Lesson 3

1. **Electric Circuit** ~ a closed path through which electrons can travel; closed means a complete loop, on, and working; open means the circuit is broken, off, or not working.
2. **Short Circuit** ~ a spot where electric current is prevented from reaching the load (a load is a light bulb, a motor, an appliance, etc.)
3. **Series Circuit** ~ a circuit connected in a single loop; when one bulb goes out, all go out
4. **Parallel Circuit** ~ a circuit connected with many branches; when one bulb goes out, others may stay on