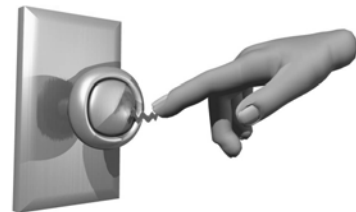


Lesson #110

Static Electricity/Current Electricity

Static electricity is an electric charge that builds up on an object. You may see a person's hair stand up on a cold day or you may get a shock when you rub your feet across the carpet and then touch an

object or another person. That means that electrical charges have built up on one object and seem to be "jumping" from



that object to another. **Lightning** is an example of static electricity. **Current electricity** is electricity that moves through wires. When you plug a toaster into a wall outlet, electricity flows from the wires in the wall through the plug and into the toaster's wires. You use current electricity to heat your home, to light your home, and to cook food.

1. What do you call an electric charge that builds up on an object?

2. Electricity that moves through wires is _____

_____.

3. Write **T** if the statement is true or **F** if it is false.

_____ A simple machine has many moving parts.

4. What are two traits of reptiles?

1) _____ 2) _____

5. What form does water take at room temperature?

solid liquid ice vapor

6. What can happen when an area doesn't get enough rain?

a flood a drought a sandstorm

7. Lightning is an example of _____.

current electricity static electricity

8 – 10. Put the steps of the scientific method in the correct order.

A) Planning an Experiment 1) _____

B) Forming a Hypothesis 2) _____

C) Observing and Asking Questions 3) _____

D) Drawing Conclusions 4) _____

E) Conducting an Experiment 5) _____