The Atom and Static Electricity Study Guide

Test on Aug. 18

Study the parts of an atom.

Electrons

Nucleus

Neutrons

Protons

Study these facts.

1. Particles of matter have a property called Electrical Charge.
2. Charge is the measure of the ‘extra’ positive or negative particles.
3. Usually atoms have the same number of positive and negative charges. This balance creates a neutral charge in the atom.
4. Opposite charges attract each other.
5. Electrons can ‘jump’ to an object with a positive charge.
6. Static Discharge is the movement of electrons from one object to another.
7. An example of Static Discharge is lightening or clothes sticking together.
8. Static Electricity is a buildup of charges in one place.
9. Negative charges can be pulled off objects by rubbing.
10. Electricity is a form of energy (power).
11. Particles of matter may have an electrical charge that is positive or negative.
12. The ‘push’ or ‘pull’ between two objects with different electrical charges is called electrical force.
13. The electrical field is the ‘space’ around an object where electrical forces occur.