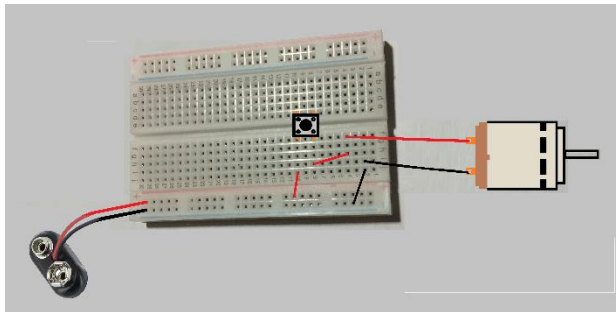




Basic Electronics Series

Assignment Lesson Two: Atomic Structure

1. Build the simple Light Emitting Diode circuit on the breadboard as shown in the lesson 2 supplemental.
2. Build the simple DC Motor circuit on the breadboard as shown here.



3. What is the polarity of each of the following Atomic particles?
Neutron _____
Electron _____
Proton _____
4. What is an ION? _____
5. What is the term for the electrons in the outer shell of an Atom?

6. What determines the Atomic number of an Atom?

7. What is the unit for electrostatic charge? _____
8. How many outer shell electrons are there in the following materials?
Semiconductors _____
Insulators _____
Conductors _____
9. When referring to Static electricity, what does ESD stand for?

10. Define:
Electric Current _____
Voltage _____
Electrical Resistance _____