Station I

Words in RED are important-make sure you know them!

What you do:

1) To review your knowledge of electric circuits go to https://tinyurl.com/ock3w2s and https://tinyurl.com/y8xcgk87 to watch the short videos.
   a. Use the I – 1 card set. Sort the diagrams into series and parallel circuits. Draw and label an example of each. Identify any diagrams which are not circuits.
   b. Sort the diagrams into open and closed circuits. Draw and label an example of each.
   c. List two examples of how electric current can be used to make sound.
   d. List two examples of how electric current can be used to make light.
   e. List two examples of how electric current can be used to produce heat.

2) Imagine that the ends of the wire around this nail are connected to a battery.
   a. What term might be used to describe this?
   b. Describe how this can do work.
   c. If the wire was coiled around the nail 10 more times, what effect would it have?

3) Create a foldable® to glue into your notebook. (see example)
   a. Fold and cut to make four doors.
   b. On the inside (under each door) draw a picture that helps you remember the fact.

4) Look at the pictures below.
   a. Explain in your notebook the differences among the three terms.
   b. Draw a prism in your notebook and show what happens to light as it passes through it.

5) Use the Light Data Table and the I – 2 card set for the next activity:
   a. Arrange the cards on the Light Data Table to show you understand reflection and refraction.
   b. Draw pictures in your notebook of at least two examples of reflection and two examples of refraction.

6) Tidy and reorganize the materials for the next group using them.