

U1C2 Test Study Guide

Summarize the defining characteristics of the following interactions. Give two examples of each from your labs and provide evidence for the interactions you use.

- Magnetic-
- Electric Charge-
- Electric Circuit-
- Electromagnetic-

Be able to describe the following:

- How does an electric motor work?
- Describe the attraction and repulsion of electric charges? (Ex: which charges attract and which charges repel?)
- What is the difference between a magnet and a magnetic material?
- How does a current carrying wire interact with a magnet? What does it provide evidence for?
- Draw a diagram of a parallel circuit (multi-loop circuit).
- Draw a diagram of a series circuit (single loop circuit).

Define the following vocabulary words:

- static electricity-
- evidence-
- closed circuit-
- switch-
- ammeter-
- needle deflection-
- electromagnet-
- parallel circuit-
- magnet-
- magnetic material-
- interaction-
- defining characteristic-
- electrical conductor-
- electrical non-conductor-
- electric current-