

Physical Science – Worksheet 8 – Electricity and Magnetism

Please read the chapter and answer the following questions. Show all calculations:

Define the Following Terms:

1. What is an electrical force?
2. What is a charge?
3. Do opposite charges attract or repel?
4. Why does an electron spin around the nucleus of an atom?
5. If the electric potential is 1.5 volts and the total charge is 5.3 coulombs, what is the electric potential energy?
6. Explain voltage, current, and resistance. How are they related? Draw a simple circuit that shows each and label it showing voltage, current and resistance.
7. What is the difference between direct and alternating current?