Electricity and magnetism

1. The electric force between objects that are not in motion is called _______.
   a. series electricity
   b. electric current
   c. static electricity
   f. electric force

2. When an object gains electrons, it acquires _______.
   a. a positive charge
   b. a negative charge
   c. no charge
   f. it stays the same

3. A poor electric conductor that is used to coat wires is called _______.
   a. a coating
   b. a conductor
   c. no charge
   f. an insulator

4. The two ends of a magnet are called _______.
   a. poles
   b. electrodes
   c. fields
   f. protons

5. The area around a magnet in which a magnetic force can be observed is called _______.
   a. electric field
   b. poles
   c. a magnetic field
   f. the nucleus

6. A battery and an electric generator can both produce electricity. Which of the two uses chemical reactions to create an electric current?
   a. battery
   b. electric generator

7. Which of the following is used to interrupt the flow of current?
   a. a switch
   b. an electric motor
   c. a wire
   d. iron filings
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