

## Guided Reading Chapter 16 Section 2

1. Electric current flows from
  - a) low electrical potential energy to high electrical potential energy
  - b) high electrical potential energy to low electrical potential energy
  
2. The unit for measuring electrical current is the
  - a) coulomb
  - b) ohm
  - c) ampere
  
3. Sketch Figure 16.5, showing direction of flow of current from positive to negative charge.
  
  
  
  
  
  
  
  
  
  
4. A measure of electrical potential energy is called
  - a) voltage
  - b) amperage
  - c) current
  
5. What does it mean to have a voltage difference?
  
6. What is a voltage difference of 1 volt?
  
  
  
  
7. A \_\_\_\_\_ is a meter that measures many different variables.
  - a) voltmeter
  - b) ammeter
  - c) multimeter
  
8. A battery uses \_\_\_\_\_ energy to provide a voltage difference between its terminals.
  
  
  
  
9. Describe figure 16.6, which shows how current is analogous to water flowing through a pipe.
  
  
  
  
  
  
  
  
  
  
10. A(n) \_\_\_\_\_ is a meter that measures current in an electrical system.
  - a) voltmeter
  - b) ammeter
  - c) multimeter