1.Pressure in a water pump system is analogous to what concept in an electrical circuit?

a. resistance

**b. voltage**

c. capacitance

d. current

2.A narrow pipe in a water system is analogous to what concept in an electrical circuit?

**a. resistance**

b. voltage

c. capacitance

d. current

3.Electrical current is measured in:

a. Ohms

b. Coulombs

**c. Amperes**

d. Volts

4.Electrical resistance is measured in:

**a. Ohms**

b. Coulombs

c. Amperes

d. Volts

5.An LED is reverse-biased when:

a. the voltage across it does exceed its threshold

b. the anode and cathode have the same voltage

c. current flows through the LED

**d. the anode is negative with respect to the cathode**

6.The function of a potentiometer is to:

a. measure the resistance between two points in the circuit

b. measure the voltage between two points in the circuit

**c. vary the resistance between points in the circuit**

d. complete an open circuit

7.True or False: All of the holes in a column on the side of a breadboard are electrically connected.

**True**

False

8.True or False: When resistance increases and current is held constant, voltage also increases.

**True**

False