

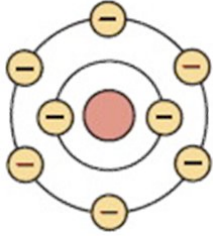
Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) Creating electricity by exerting force on a crystal is called \_\_\_\_\_. 1) \_\_\_\_\_  
A) electrochemistry  
B) piezoelectricity  
C) thermoelectricity  
D) photoelectricity
  
- 2) The automotive battery is based on the principle of \_\_\_\_\_. 2) \_\_\_\_\_  
A) electrochemistry  
B) photoelectricity  
C) piezoelectric energy  
D) none of these
  
- 3) An electrical conductor is an element with \_\_\_\_\_ electrons in its outer orbit. 3) \_\_\_\_\_  
A) less than 2  
B) less than 4  
C) exactly 4  
D) more than 4
  
- 4) A positively charged atom is called a(n) \_\_\_\_\_. 4) \_\_\_\_\_  
A) ion  
B) neutron  
C) quark  
D) None of these
  
- 5) Most carbon resistors indicate their electrical resistance by \_\_\_\_\_. 5) \_\_\_\_\_  
A) color coded markings  
B) shape  
C) printed numbers indicating resistance in ohms  
D) none of these
  
- 6) Which of these elements has the least resistance? 6) \_\_\_\_\_  
A) Silver  
B) Gold  
C) Copper  
D) None of these

7) What type of material is indicated by this atomic structure?

7) \_\_\_\_\_



- A) Insulator
- B) Conductor
- C) Semi-conductor
- D) Coaxial

8) A rheostat usually has how many wires?

8) \_\_\_\_\_

- A) Two
- B) Three
- C) Four
- D) None of these

9) What term describes the movement of electrons from one atom to another?

9) \_\_\_\_\_

- A) Electricity
- B) Energy transfer
- C) Chain reaction
- D) None of these

10) The outer electron shell is known as a(n) \_\_\_\_\_.

10) \_\_\_\_\_

- A) valence ring
- B) distant ring
- C) unstable shell
- D) None of these