



# IONIC AND METALLIC BONDING

## Chapter Test A

### A. Matching

Match each term with its best definition. Write the letter of the definition that best matches the term.

#### Column A

1.  a. electron transfer
2.  a. group compound
3.  a. ionic bonding
4.  a. ionic bond
5.  a. ionic compound
6.  a. substrate
7.  a. alloy
8.  a. anion
9.  a. cation
10.  a. ionic solid
11.  a. ionic compound
12.  a. ionic bond

#### Column B

13.  a. an ionic compound that contains a metal and a nonmetal
14.  a. the electron transfer process responsible for ionic bonding
15.  a. the transfer of electrons from one atom to another
16.  a. the electrostatic attraction between the positive cation and the negative anion
17.  a. a group of atoms that is charged electrically and is present in a compound
18.  a. ionic and covalent compounds
19.  a. an alloy of metals
20.  a. an electrostatic attraction between a metal cation and a nonmetal anion
21.  a. a group of atoms that is charged electrically and is present in a compound
22.  a. the transfer of electrons from one atom to another
23.  a. the electrostatic attraction between the positive cation and the negative anion

### B. Multiple Choice

Choose the letter that best describes each solid state.

24.  a. ionic bonding between metal and nonmetal  
a. ionic  
b. covalent  
c. metallic  
d. none of these
25.  a. ionic bonding between metal and nonmetal  
a. ionic  
b. covalent  
c. metallic  
d. none of these

# Ionic And Metallic Bonding Chapter Test A Answer Key

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Smith, Jack Price**



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web chemical analysis carbon 3 40 3 85 phosphorous 0 10 max manganese 0 10 0 30 sulphur 0 02 max silicon 2 30 3 10 magnesium 0 07 max applications bs2789 grade 500 7 is suited for applications such as gears pistons valve bodies dies and moulds and for applications that require good noise and vibration damping mechanical properties

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web the normal chemical composition for this grade is as the following c 2 7 3 7 si 0 8 2 9 mn 0 3 0 7 p 0 1 s 0 02 the chemical composition has big difference in different standards all compositions are just for reference

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