

Skills Worksheet

Chapter Review**USING KEY TERMS**

Complete each of the following sentences by choosing the correct term from the word bank.

crystal lattice	ionic bond	molecule
chemical bond	chemical bonding	metallic bond
valence electron	ion	covalent bond

1. An interaction that holds two atoms together is
a(n) _____.
2. A charged particle that forms when an atom transfers electrons
is a(n) _____.
3. A bond formed when atoms share electrons is a(n) _____.
4. Electrons free to move throughout a material are associated with
a(n) _____.
5. An electron in the outermost energy level of an atom is
a(n) _____.
6. Ionic compounds are bonded in a three-dimensional pattern called
a(n) _____.

UNDERSTANDING KEY IDEAS**Multiple Choice**

- _____ 7. Which element has a full outermost energy level containing only two electrons?

a. fluorine, F	c. hydrogen, H
b. helium, He	d. oxygen, O
- _____ 8. Which of the following describes what happens when an atom becomes an ion with a 2^- charge?

a. The atom gains 2 protons.	b. The atom loses 2 protons.
c. The atom gains 2 electrons.	d. The atom loses 2 electrons.
- _____ 9. The properties of ductility and malleability are associated with which type of bonds?

a. ionic	c. metallic
b. covalent	d. All of the above

