Name: _		Class:		Date:	
CP Bonding Test					
Multiple				±*	
inemijy i	ne i	etter of the choice that best completes the stat	eme	nt or answers the question.	
	1. I	How many valence electrons are in an atom of phosphorus?			
	a	. 2	c.	4	
		o. 3	d.	-	
2	2. I	low many valence electrons are in a silicon at	om?		
	a		c.	6	
2		. 4	d.	8	
3	3. What is the name given to the electrons in the highest occupied energy level of an atom? a. orbital electrons c. anions				
	b		c. d.	anions cations	
4	l. F	low does calcium obey the octet rule when rea			
	a		acti	ig to form compounds?	
	b				
		It does not change its number of electrons.			
	d	the octor fulc.			
5	. How many electrons does barium have to give up to achieve a noble-gas electron configuration?				
	a. b.	I	c.	3	
-			d.	4	
0	6. How many electrons does nitrogen gain in order to achieve a noble-gas electron configuration a. 1				
	b.		c. d.	3	
7	. Н	How does oxygen obey the octet rule when reacting to form compounds?			
''		about only gen obey the octet rule when reacting to form compounds?			

It gains electrons.
It gives up electrons.

Like-charged ions attract.

magnesium and fluorine

nitrogen and sulfur

protons

electrons

a.

c. It does not change its number of electrons.
d. Oxygen does not obey the octet rule.
Which of the following occurs in an ionic bond?
a. Oppositely charged ions attract.
b. Two atoms share two electrons.

Two atoms share more than two electrons.

10. Which of the following particles are free to drift in metals?

Two atoms share two pairs of electrons.

Two atoms share two electrons. Two atoms share one electron.

ID: A

c.

oxygen and chlorine

neutrons

cations

sodium and aluminum

Which of the following pairs of elements is most likely to form an ionic compound?

11. How do atoms achieve noble-gas electron configurations in single covalent bonds?
a. One atom completely loses two electrons to the other atom in the bond.

d. H-N

a. C c. O b. Na d. S 15. Which of the following covalent bonds is the most polar? H-Fc. H-H b. H—C