Name	Date	Class	



IONIC AND METALLIC BONDING

SECTION 7.1 IONS - Practice Problems

a. Ba	b. I	с. К
2. How many valence e	lectrons does each of the follow	ring atoms have?
a. gallium	b . fluorine	c. selenium
3. Write the electron co	nfiguration for each of the follo	wing atoms and ions.
a. Ca		b. Na ⁺
c. O ²⁻		d. phosphide ion
electrons? 5. How many electrons		of the representative elements and the number of the representative elements and the number of the resulting in forming an ion? State whether the resulting i
electrons? 5. How many electrons (C) or an anion (A).		n forming an ion? State whether the resulting i
electrons? 5. How many electrons (C) or an anion (A). a. strontium	will each element gain or lose i c. tellurium	n forming an ion? State whether the resulting i
b. aluminum	will each element gain or lose i c. tellurium	n forming an ion? State whether the resulting i e. bromine
electrons? 5. How many electrons (C) or an anion (A). a. strontium b. aluminum 6. Give the name and sy	will each element gain or lose i c. tellurium d. rubidium /mbol of the ion formed when	n forming an ion? State whether the resulting i e. bromine
electrons? 5. How many electrons (C) or an anion (A). a. strontium b. aluminum 6. Give the name and sy a. a chlorine atom gai	will each element gain or lose i c. tellurium d. rubidium /mbol of the ion formed when ins one electron.	n forming an ion? State whether the resulting i e. bromine f. phosphorus
b. a potassium atom 1	will each element gain or lose i c. tellurium d. rubidium ymbol of the ion formed when ins one electron. loses one electron.	n forming an ion? State whether the resulting i e. bromine f. phosphorus
b. a chlorine atom gai b. a potassium atom I c. an oxygen atom ga	will each element gain or lose i c. tellurium d. rubidium /mbol of the ion formed when ins one electron loses one electron ins two electrons	n forming an ion? State whether the resulting i e. bromine f. phosphorus
b. aluminum b. Give the name and sy a. a chlorine atom gai b. a potassium atom l c. an oxygen atom ga d. a barium atom lose	will each element gain or lose i c. tellurium d. rubidium /mbol of the ion formed when ins one electron loses one electron ins two electrons	n forming an ion? State whether the resulting i e. bromine f. phosphorus
b. a potassium atom lose c. an oxygen atom ga d. a barium atom lose 7. How many electrons (C) or an anion (A). a. strontium b. aluminum c. an oxygen atom ga d. a barium atom lose 7. How many electrons	will each element gain or lose i c. tellurium d. rubidium mbol of the ion formed when ins one electron. loses one electron. ins two electrons. es two electrons. are lost or gained in forming ea	n forming an ion? State whether the resulting i e. bromine f. phosphorus
b. a potassium atom lose c. an oxygen atom ga d. a barium atom lose 7. How many electrons (C) or an anion (A). a. strontium b. aluminum c. achlorine atom ga d. a barium atom lose 7. How many electrons a. Mg ²⁺	will each element gain or lose i c. tellurium d. rubidium mbol of the ion formed when ins one electron. loses one electron. ins two electrons. es two electrons. are lost or gained in forming ea	n forming an ion? State whether the resulting i e. bromine f. phosphorus ach of the following ions? c. Ag ⁺ d. Fe ³⁺