Name Date	Class
7 IONIC AND MET	ALLIC BONDING
SECTION 7.2 IONIC COMPOU	JNDS - Practice Problems
Use electron dot structures to predict the phosphorus.	formula of the ionic compound formed from calcium and
a. Draw the dot structure for the neutral atoms. Then draw arrows showing where the electrons are transferred.	b. Which atom loses electrons? How many are lost by one atom? What is the resulting charge? c. Which atom gains electrons? How many are gained by one atom? What is the resulting charge? d. Write the chemical formula of the compound by writing the positive ion first and the negative ion right after it
2. Use electron dot structure to predict the formagnesium.	Formula of the ionic compound formed from <b>oxygen and</b>
a. Draw the dot structure for the neutral atoms. Then draw arrows showing where the electrons are transferred.	b. Which atom loses electrons?  How many are lost by one atom?  What is the resulting charge?  c. Which atom gains electrons?  How many are gained by one atom?  What is the resulting charge?  d. Write the chemical formula of the compound by writing the positive ion first and the negative ion right after it.
3. Use electron dot structures to predict the and chlorine.	formula of the ionic compound that forms between <b>potassiun</b>
a. Draw the dot structure for the neutral atoms. Then draw arrows showing where the electrons are transferred.	b. Which atom loses electrons?  How many are lost by one atom?  What is the resulting charge?  c. Which atom gains electrons?  How many are gained by one atom?  What is the resulting charge?

d. Write the chemical formula of the compound by writing the positive ion first and the negative ion

right after it.

a. Draw the dot structure for the neutral atoms. Then draw arrows showing where the electrons are transferred.	b. Which atom loses electrons? How many are lost by one atom? What is the resulting charge? Electrons? How many are gained by one atom? What is the resulting charge? d. Write the chemical formula of the compound by writing the positive ion first and the negative ion right after it
5. Use electron dot structure to predict the fo and nitrogen.	ormula of the ionic compound that forms between aluminum
a. Draw the dot structure for the neutral atoms. Then draw arrows showing where the electrons are transferred.	b. Which atom loses electrons?
6. Use electron dot structure to predict the fo and barium.	rmula of the ionic compound that forms between <b>phosphorus</b>
a. Draw the dot structure for the neutral atoms. Then draw arrows showing where the electrons are transferred.	b. Which atom loses electrons?  How many are lost by one atom?  What is the resulting charge?  g. Which atom gains electrons?  How many are gained by one atom?  What is the resulting charge?  h. Write the chemical formula of the compound by writing the positive ion first and the negative ion right after it

4. Use electron dot structure to predict the formula of the ionic compound that forms between **bromine** and strontium.