

# How to Ace the Test

1. Accurately identify the charge on all group 1,2, 13, 15, 16, and 17 (Zn, Cd, and Ag) elements when given the periodic table.
2. Define the term "binary". (use examples)
3. Name Type I binary ionic compounds as those involving group 1,2, and 13 metal cations. Know how to name and write the formulas for these compounds.
4. Identify Type II binary ionic compounds as those containing (transition) metal cations. Know the names and charges of copper, iron, cobalt, tin, and lead ions. Know how to name and write the formulas for these compounds.
5. Identify Type III binary compounds as involving two nonmetals. Know the prefixes for numbers one through eight and how to correctly name and write the formulas for these compounds.
6. Define "polyatomic ion."
7. Identify seven polyatomic ions giving their names, charges, and formulas.
8. Correctly name and write formula for polyatomic compounds.
9. Identify the six common acids by name and formula.