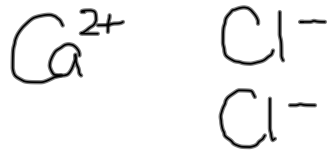
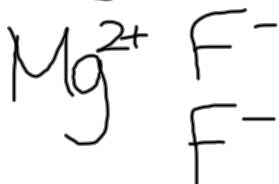
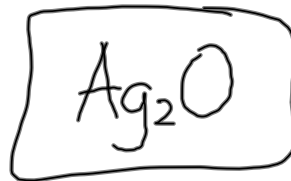
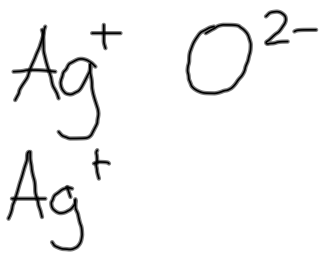


Calcium chloride



silver oxide

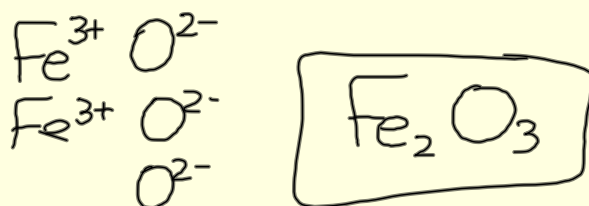


magnesium fluoride

Multivalent Metals

- some metals have more than one charge they are called **multi-valent ions**
- these elements are found in the middle block of the periodic table
- the charge that is to be used is indicated in brackets with a Roman numeral (Table 2 p. 195)

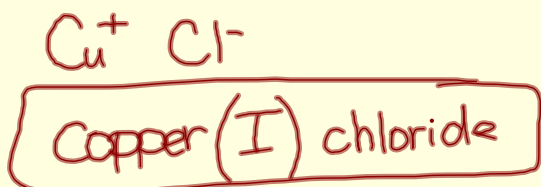
Ex. iron(III) oxide



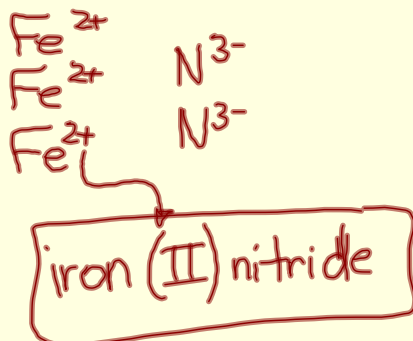
Naming Ionic Compounds from Formula (multivalent ions):

- Identify positive ion (metal) and negative ion (nonmetal)
- If metal is multivalent, determine its charge from the formula (balance total positives and negatives) and include in name

Ex. CuCl



Ex. Fe₃N₂



iron chloride



Homework

p.195 #1-10