Chem 11 finals review. Naming, naming and more naming (Chapter 2)

Part 1: Use the periodic table to correctly guess the charge for the ion of:

1. Nitrogen
2. Sulphur
3. Strontium
4. Cesium
5. What logic did you use to get these answers?

Part 1: Give the correct formula for the following ionic and covalent compounds.

1) Potassium Iodide

2) Magnesium Fluoride

3) Lithium Sulphide

4) Calcium Perchlorate

5) Aluminum Permanganate

6) Iron (III) Sulphate

7) Osmium (IV) Phosphate

8) Tin (IV) Acetate

9) Ammonium Monohydrogen phosphate

10) Barium Hydroxide octahydrate

11) Carbon Monoxide

12) Dinitrogen Tetroxide

13) Diiodine Hexachloride

14) Xenon Heptafluoride

15) Nitrogen Tribromide

16) Phosphorus Pentachloride

17) Tricarbon Octahydride

Part 3: Give the correct name for the following compounds

1. RbCl
2. BaI2
3. CuBr
4. CuBr2
5. Pb(HSO4)2
6. (NH4)2C2O4
7. CuSO4 ∙ 5H2O
8. Na2SO4 ∙ 10H2O
9. P4S10
10. NI3
11. CCl4
12. ClF
13. SO2
14. SF6
15. IF7
16. SO3
17. IBr5

Part 3: Consider the compound Rhenium (VII) Dichromate

1. What is the formula?
2. How many atoms of oxygen are there in one molecule?
3. How many molecules of oxygen could you get out of one molecule?
4. How many chromium atoms are there in one molecule?