

CHEMISTRY 3A

EXAM 1 --- REVIEW WORKSHEET

- Write the names for the following compounds.
 - PCl_5
 - $\text{V}_3(\text{PO}_4)_5$
 - Na_2S
- Write the formulas for the following compounds.
 - Manganese(IV) oxide
 - Sulfur hexachloride
 - Barium bicarbonate
- Water decomposes into hydrogen and oxygen at about 2500 °C. What would this temperature be in °F and kelvins?

7. Complete the following table.

Symbol	Atomic Number	Mass Number	Number of Protons	Number of Neutrons	Number of Electrons
				90	62
$^{131}_{55}\text{Cs}^+$					

8. The distance from the Earth to the moon 240,000 miles. How far would it be in meters?

9. A patient receives an I.V. solution containing 0.90% NaCl (0.90 g of NaCl per 100 mL of solution). The solution is administered at a rate of 4.3 mL/min. How long will it require for the patient to receive 1.0 ounce of NaCl?

10. Write the shorthand electronic configurations for the following elements.

a. Sn

b. No