

CHEMISTRY HOMEWORK ANSWERS CHAPTER 1

REVIEWING CONCEPTS

19.
 - a. physical
 - b. chemical
 - c. physical

20.
 - a. potassium (metal)
 - b. silver (metal)
 - c. silicon (metalloid)
 - d. sodium (metal)
 - e. mercury (metal)
 - f. helium (nonmetal - noble gas)

21. Malleable, ductile, conductor of heat, few valence electrons, silver in color

22.
 - a. applied research
 - b. basic research
 - c. applied research

23.
 - a. Group 14 (Carbon family), period 2
 - b. Group 18 (Noble gases), period 3
 - c. Group 6 (Transition metals), period 4
 - d. Group 2 (Alkaline Earth Metals), period 6