

MIXED REVIEW continued

4. Use the periodic table to identify the name, group number, and period number of the following elements:

_____ a. Cl

_____ b. Mg

_____ c. W

_____ d. Fe

_____ e. Sn

5. What is the difference between extensive and intensive properties?

6. Consider the burning of gasoline and the evaporation of gasoline. Which process represents a chemical change and which represents a physical change? Give a reason for your answer.

7. Describe the difference between a heterogeneous mixture and a homogeneous mixture, and give an example of each.

8. Construct a concept map that includes the following terms: atom, element, compound, pure substance, mixture, homogeneous, and heterogeneous.