

SECTION

3

Study Guide

Transition Elements

Chapter

4

Directions: Complete the following sentences using the correct terms.

- All transition elements are _____.
- The iron triad are elements that have _____ properties.
- Many of the heavy metals are _____ to living things.
- _____ has the highest melting point of any metal.
- _____ has the lowest melting point of any metal.
- The _____ group are often used for electrodes or catalysts because they do not combine easily with other elements.
- Another name for _____ is the rare earths.
- The _____ are soft metals that can be cut with a knife.
- All of the actinides are _____.
- All but three of the actinides are _____.

Directions: Match the use in the second column to the element in the first column. Write the correct letter in the space provided.

Element

- _____ 11. iron
- _____ 12. silver
- _____ 13. mercury
- _____ 14. chromium
- _____ 15. americium
- _____ 16. tungsten
- _____ 17. platinum
- _____ 18. californium
- _____ 19. plutonium
- _____ 20. cerium

Use

- a. filament of lightbulbs
- b. electrodes
- c. used as a fuel in nuclear power plants
- d. principal ingredient in misch metal
- e. used to kill cancer cells
- f. a necessary part of hemoglobin
- g. thermometers
- h. brightly colored paint
- i. fill cavities
- j. smoke detectors