

Chapter 19

Use with Section 3

REINFORCEMENT

● Transition Elements

Part A

Complete each statement.

- All transition elements are _____.
- The iron triad are the only elements that have _____ properties.
- _____ is the most important of the transition elements.
- Copper, silver, and gold make up the _____ metals.
- _____ 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 _____.

Part B

Place the letter from column II next to the element in column I which is associated with that particular use.

COLUMN I

Element

- _____ 1. Iron
- _____ 2. Silver
- _____ 3. Mercury
- _____ 4. Chromium
- _____ 5. Americium
- _____ 6. Tungsten
- _____ 7. Platinum
- _____ 8. Californium
- _____ 9. Copper
- _____ 10. Cerium

COLUMN II

Use

- filament of lightbulbs
- catalytic converters in automobiles
- wires that carry electricity
- principal ingredient in misch metal
- used to kill cancer cells
- a necessary part of hemoglobin
- thermometers
- brightly colored paint
- photographic film
- smoke detectors