

Honors Chemistry: Homework Set 4-7

1. Based on information from the Periodic Table, answer questions in each box about the given element. Then draw Bohr's atomic model for the element.

a.) magnesium - 25

Electron arrangement:

Number of energy levels: _____

Number of valance electrons: _____

Draw Bohr's atomic model for magnesium-25.

Indicate appropriate number of particles in the nucleus, and electrons (-) in electron shells.

b.) neon - 21

Electron arrangement:

Number of energy levels: _____

Number of valance electrons: _____

Draw Bohr's atomic model for neon-21.

Indicate appropriate number of particles in the nucleus, and electrons (-) in electron shells.

c.) sulfur - 32

Electron arrangement:

Number of electron levels: _____

Number of valance electrons: _____

Draw Bohr's atomic model for sulfur - 32.

Indicate appropriate number of particles in the nucleus, and electrons (-) in electron shells.

d.) carbon - 14

Electron arrangement:

Number of electron levels: _____

Number of valance electrons: _____

Draw Bohr's atomic model for carbon-14.

Indicate appropriate number of particles in the nucleus, and electrons (-) in electron shells.

