Name _____ Class _____ Date _____

How are electrons arranged in an atom?

Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

_____ **1.** The lowest energy level of an atom is the one farthest from the nucleus.

_____ **2.** If an electron gains energy, it may jump to a higher energy level.

_____ **3.** The area in an atom where an electron is likely to be found is called the electron cloud.

_____ **4.** The first energy level of an atom can hold two electrons.

_____ **5.** If an atom contains three electrons, then its second energy level would hold three electrons.

_____ **6.** Electrons cannot move from one energy level to another.

_____ **7.** A maximum of eight electrons can be held in the fourth energy level of an atom.

_____ **8.** Electrons are arranged in energy levels.

_____ **9.** The third energy level can hold up to 16 electrons.

_____ **10.** Electrons with higher energy are in the energy levels closest to the nucleus.

Skill Challenge

Skills: *comparing, applying concepts*

Complete the following table.

Element	Atomic Number	Number of Electrons in First Energy Level	Number of Electrons in Second Energy Level	Number of Electrons in Third Energy Level
Helium	2	**1.**	**2.**	**3.**
Nitrogen	7	**4.**	**5.**	**6.**
Sulfur	16	**7.**	**8.**	**9.**
Sodium	11	**10.**	**11.**	**12.**
Chlorine	17	**13.**	**14.**	**15.**