Name **Period** **Date**

UNIT 1 | REVIEW | Electron Shells Review

Multiple Choice: In the space on the right, write the letter that best completes each sentence.

_____ 1. Electrons move
a. inside the nucleus. b. very slowly. c. outside the nucleus.

_____ 2. Electrons move in paths called
a. roads. b. orbits. c. electrical charges.

_____ 3. An electron shell
a. is solid. b. only seems to be solid. c. is tightly packed.

_____ 4. Electron shells seem to be solid because the electrons
a. move very fast.
b. have a minus charge.
c. balance the protons.

_____ 5. Which shell is the "M" shell?
a. first
b. second
c. third

True or False: Write T on the line next to the number if the sentence is true. Write F if the sentence is false.

1. _____ Every atom has at least one electron.
2. _____ Every atom has at least two electron shells.
3. _____ The first electron shell is the "L" shell.
4. _____ The "L" shell can hold 8 electrons.
5. _____ The "L" shell always has 8 electrons.
6. _____ If there is an "L" shell, it means that the "K" shell is full.
7. _____ A full "K" shell has three electrons.
8. _____ A helium atom (atomic number 2) is a "full" atom.
9. _____ The first two shells must be full before a new shell is started.
10. ____ The heavier the atom the fewer the electrons