

UNIT  
1

ACTIVITY

## Electron Shells

For each of the following elements, draw the correct electron shells around the nucleus (labeled as the element symbol). Use the periodic table on page 11 of your assignment notebook. Here are some helpful hints for you to remember:

**The number of protons is the atomic number.**

**The number of electrons is the same as the number of protons.**

**The K shell holds \_\_\_ electrons, the L shell holds \_\_\_ electrons and the M shell holds \_\_\_ electrons**

1 Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

H

2 Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Ne

3. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

He

4 Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Na

5. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Li

6. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Mg

7. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Be

8. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Al

9. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

B

10. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Si

11. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

C

12. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

P

13. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

N

14. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

S

15. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

O

16. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Cl

17. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

F

18. Element Name: \_\_\_\_\_  
Atomic Number: \_\_\_\_\_  
Number of Electrons: \_\_\_\_\_

Ar