

Name \_\_\_\_\_ period \_\_\_\_\_

# 8<sup>th</sup> Grade DO NOW

WEEK 9

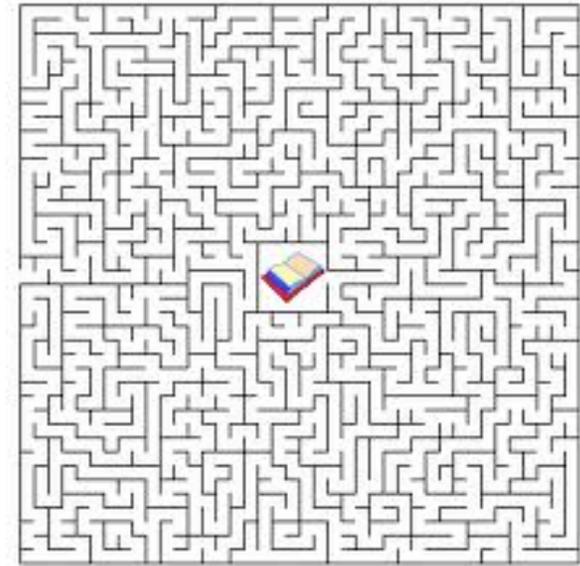
Date \_\_\_\_\_

Match the structures found in the atom with its definition

- |                         |   |
|-------------------------|---|
| _____ 1. Proton         | A. Center of the atom, made up of protons and neutrons  |
| _____ 2. Neutron        | B. Smallest particle in the atom, has a negative charge |
| _____ 3. Electron       | C. region in an atom where electrons are found          |
| _____ 4. Nucleus        | D. Particle in the nucleus with a positive charge       |
| _____ 5. Electron Cloud | E. Particle in the nucleus with no charge               |

Date \_\_\_\_\_

Draw the structure of an atom and label each of the structures listed above.



Date \_\_\_\_\_

Match the information

- |                            |   |
|----------------------------|---|
| _____ 1. Atomic Number     | A. Electrons with the most energy are found here                          |
| _____ 2. Atomic Mass       | B. Number of electrons in the last level of the electron cloud of an atom |
| _____ 3. Valence Electrons | C. found by looking at the number of protons                              |
| _____ 4. Neutrons          | D. The average number of protons and neutrons in an atom                  |
| _____ 5. Far from nucleus  | E. number found by subtracting the number of protons from the atomic mass |

Date \_\_\_\_\_

Match the name with the picture.

1. \_\_\_\_\_ Atomic Number

A

2. \_\_\_\_\_ Atomic Mass

B

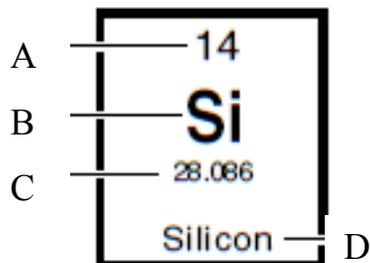
3. \_\_\_\_\_ Symbol

C

4. \_\_\_\_\_ Name of element

5. \_\_\_\_\_ Number of protons

6. \_\_\_\_\_ Number of electrons



Date \_\_\_\_\_

Pick one of the first 20 elements from your periodic table and draw the structure with the nucleus, proton number, neutron number, electron cloud and energy levels with electrons.

V Y U F N O R T U E N J  
G I J K N Z Z T Q G R H  
T E Z J N P U O R G M V  
D L E H D T U Q O G C S  
O E C L I E O P Q I E Z  
I M Z S E P O F M X P L  
R E A G M C F O F N O E  
E N J G X O T D P O T D  
P T U E M A T R S V O Z  
F M X H K W V A O H S I  
V Z C Q F B M N Y N I R  
L T E R E C T Y I F X O

### Word List

ATOMIC

ATOMS

ELECTRON

ELEMENT

GROUP

ISOTOPE

NEUTRON

PERIOD