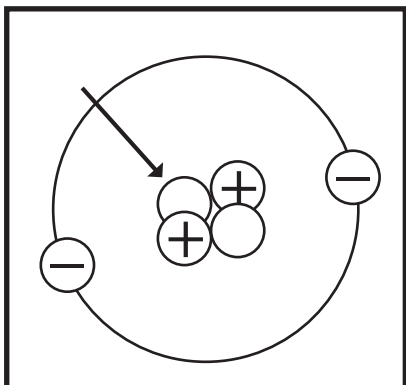


# SHOW what you KNOW ATOMS & ELEMENTS

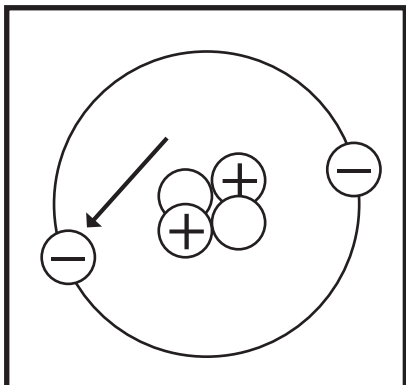
Name: \_\_\_\_\_

Date: \_\_\_\_\_

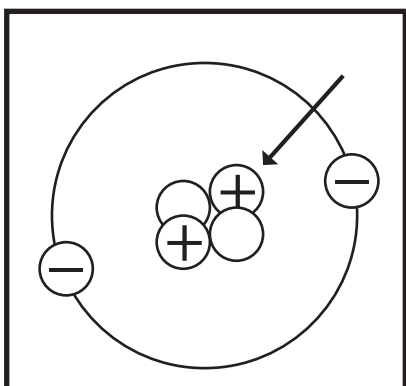
1. Identify each part of the atom.



A:



B:



C:

2. An element is determined by the number of \_\_\_\_\_ in its nucleus ( also known as its atomic number).

- a. neutrons
- b. electrons
- c. protons
- d. gluons

3. Each chemical element is made up of only one kind of

- a. atom
- b. molecule
- c. electron
- d. neutron

4. Chemists use letters of the alphabet as \_\_\_\_\_ for the elements.

5. A \_\_\_\_\_ is a particle with no charge.

**8**  
**O**  
**16**

6. What is the atomic number of this element? \_\_\_\_\_

7. How many neutrons does this element have? \_\_\_\_\_

8. What is the atomic mass of this element? \_\_\_\_\_

9. How many electrons does this element have? \_\_\_\_\_

**13**  
**Al**  
**27**

10. Explain how you could identify what type of element the atom in question 1 is using the diagram and a periodic table.