

Atomic Number = \_\_\_\_\_

Atomic Mass = \_\_\_\_\_

# of protons = \_\_\_\_\_

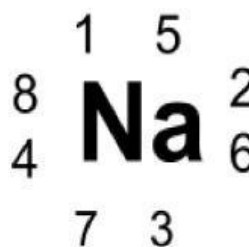
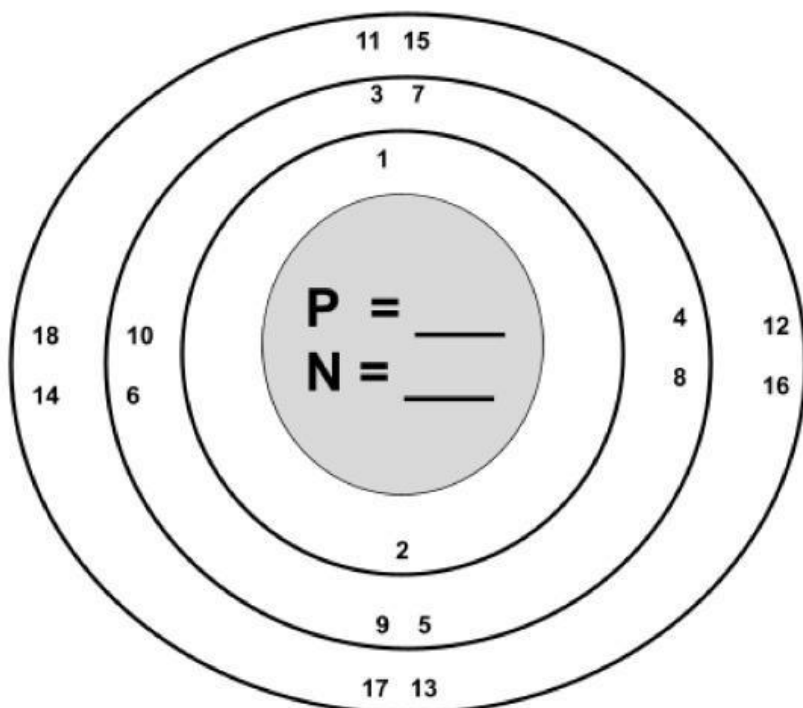
# of neutrons = \_\_\_\_\_

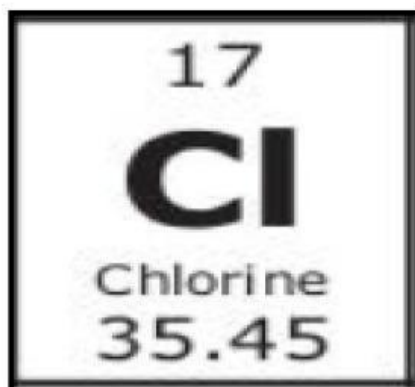
# of electrons = \_\_\_\_\_

- Protons and neutrons are located in the \_\_\_\_\_
- Electrons are located in the \_\_\_\_\_
- Valence electrons are electrons in the \_\_\_\_\_ energy level.
- A bohr model will show \_\_\_\_\_.
- An electron dot model will show \_\_\_\_\_

**Draw a Bohr Model**

**Draw an electron dot model**





Atomic Number = \_\_\_\_\_

Atomic Mass = \_\_\_\_\_

# of protons = \_\_\_\_\_

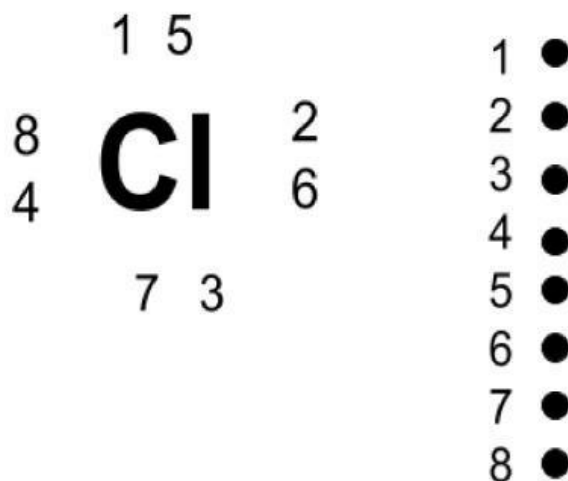
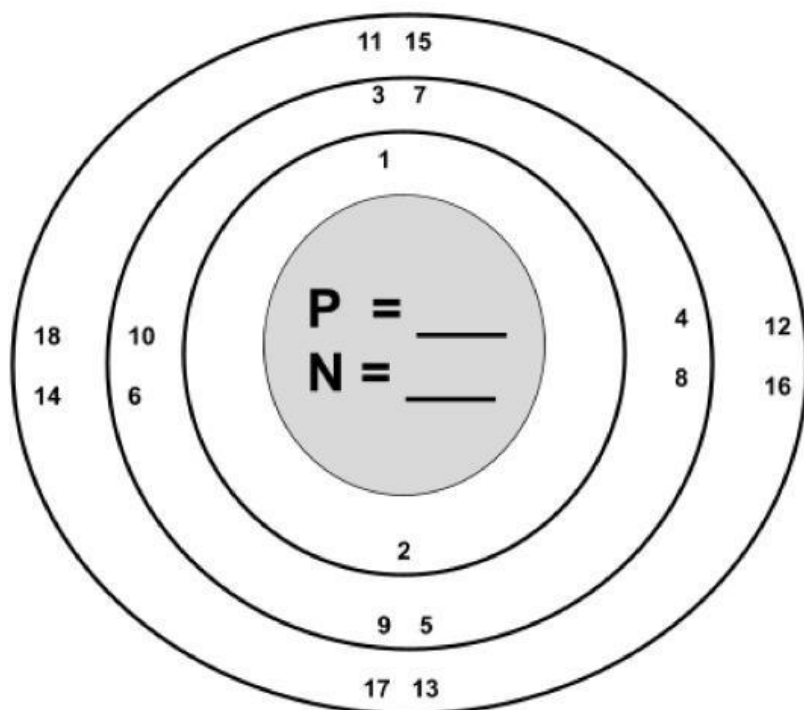
# of neutrons = \_\_\_\_\_

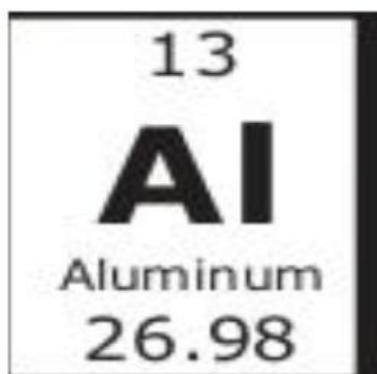
# of electrons = \_\_\_\_\_

- Protons and neutrons are located in the \_\_\_\_\_
- Electrons are located in the \_\_\_\_\_
- Valence electrons are electrons in the \_\_\_\_\_ energy level.
- A bohr model will show \_\_\_\_\_.
- An electron dot model will show \_\_\_\_\_

**Draw a Bohr Model**

**Draw an electron dot model**





Atomic Number = \_\_\_\_\_

Atomic Mass = \_\_\_\_\_

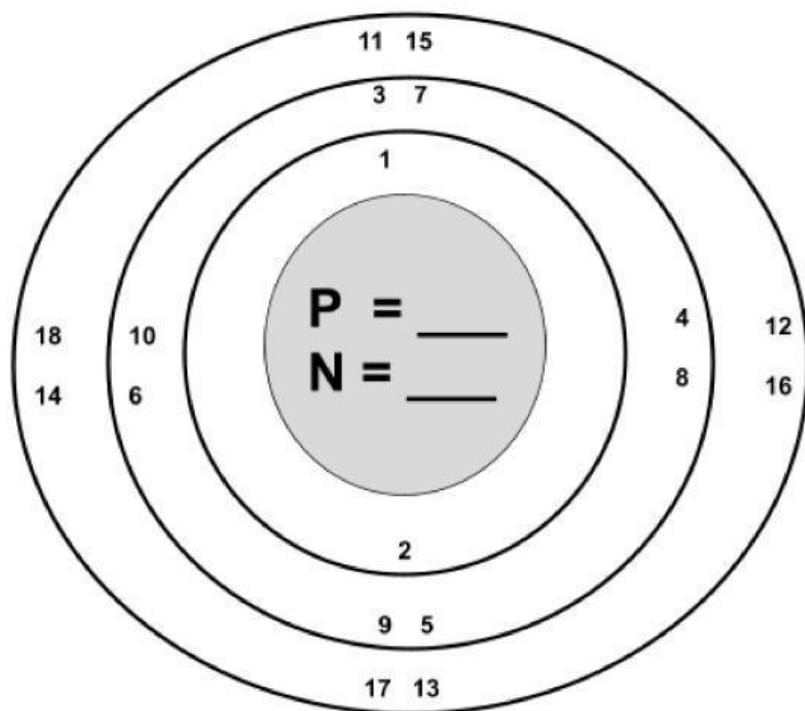
# of protons = \_\_\_\_\_

# of neutrons = \_\_\_\_\_

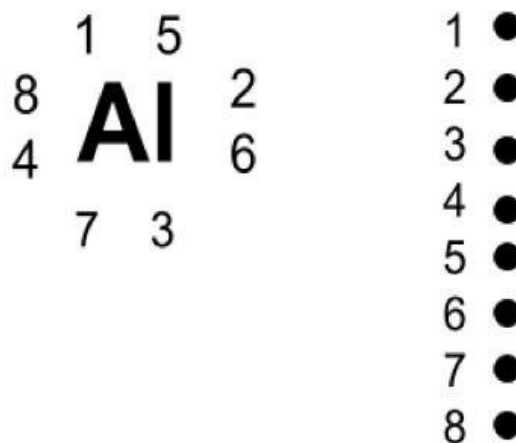
# of electrons = \_\_\_\_\_

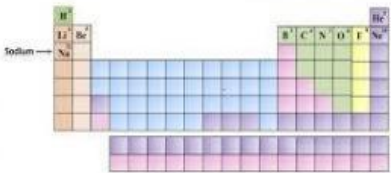
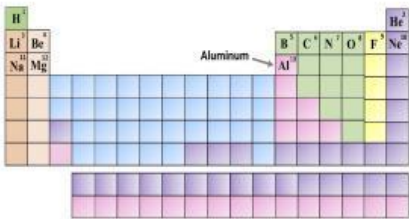
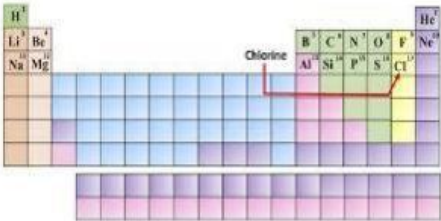
- Protons and neutrons are located in the \_\_\_\_\_
- Electrons are located in the \_\_\_\_\_
- Valence electrons are electrons in the \_\_\_\_\_ energy level.
- A bohr model will show \_\_\_\_\_.
- An electron dot model will show \_\_\_\_\_

**Draw a Bohr Model**

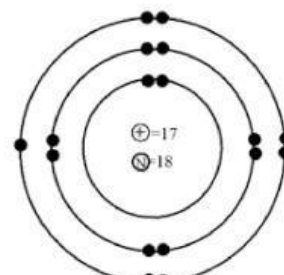
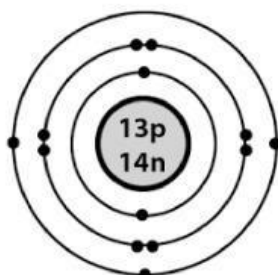
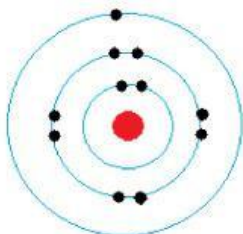


**Draw an electron dot model**



Element location on PT	Matching Bohr Model
<p>The Periodic Table of the Elements</p>  <p>The Periodic Table of the Elements</p>  <p>The Periodic Table of the Elements</p> 	

What connection do you see between the rows on the periodic table and the placement of electrons in the bohr model?



15
<b>P</b>
Phosphorus
30.97

Atomic Number = 15

Atomic mass = 31

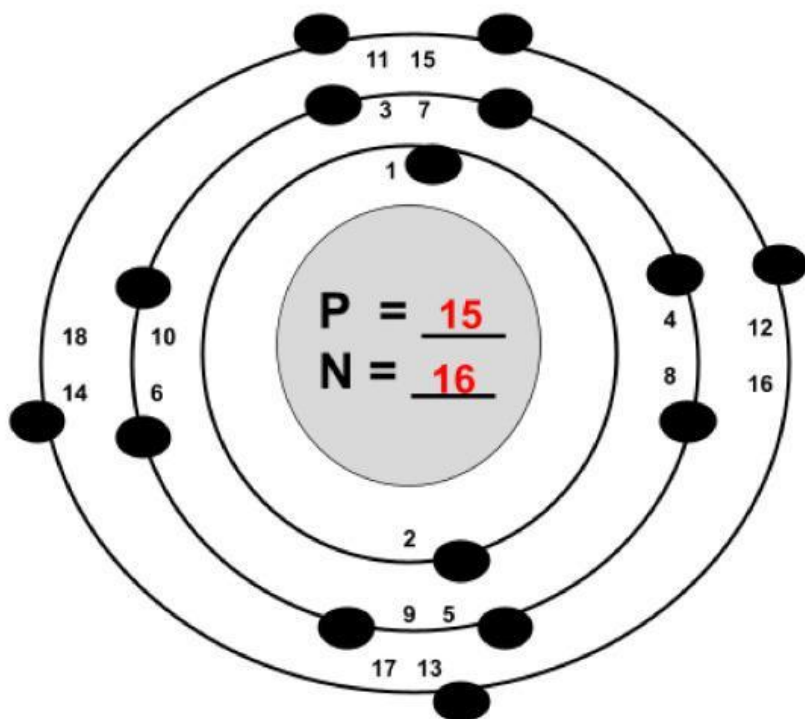
# of protons = 15

# of neutrons = 16

# of electrons = 15

- Protons and neutrons are located in the **nucleus**
- Electrons are located in the **electron cloud outside the nucleus**
- Valence electrons are electrons in the **outermost** energy level.
- A bohr model will show **all electrons orbiting the nucleus**.
- An electron dot model will show **only valence electrons**

Draw a Bohr Model



Draw an electron dot model

