

11
Na
Sodium
22.99

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 _____

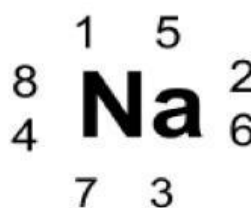
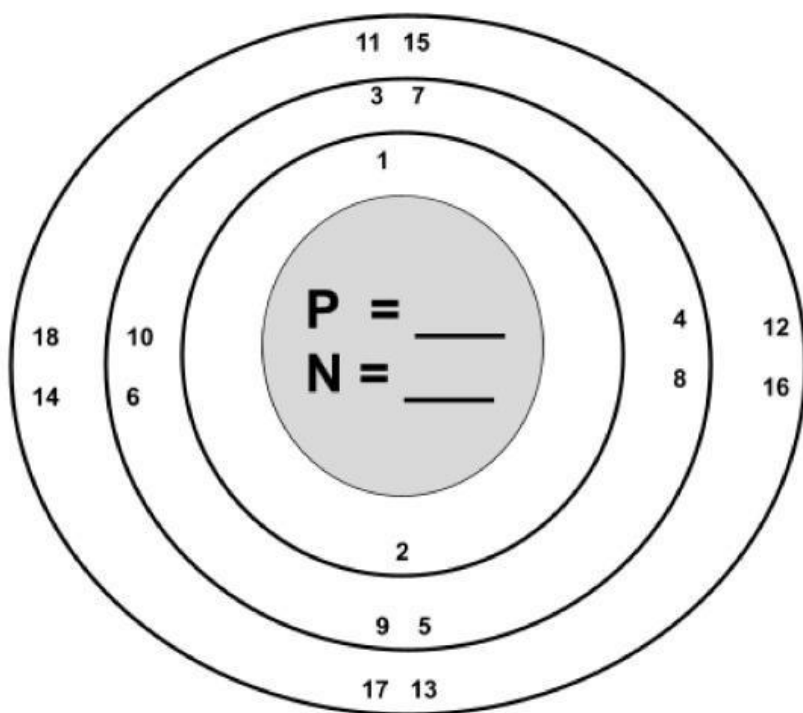
Longhand Electron configuration: _____

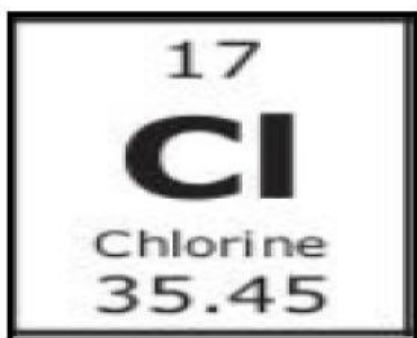
Select correct orbital diagram $1S \uparrow\downarrow 2S \uparrow\downarrow 2P \uparrow\downarrow \uparrow\downarrow \uparrow\downarrow 3S \uparrow\downarrow 3P \uparrow _ _$
 $1S \uparrow\downarrow 2S \uparrow\downarrow 2P \uparrow\downarrow \uparrow\downarrow \uparrow\downarrow 3S \uparrow$

Noble Gas Electron configuration: _____

Draw a Bohr Model

Draw an electron dot model





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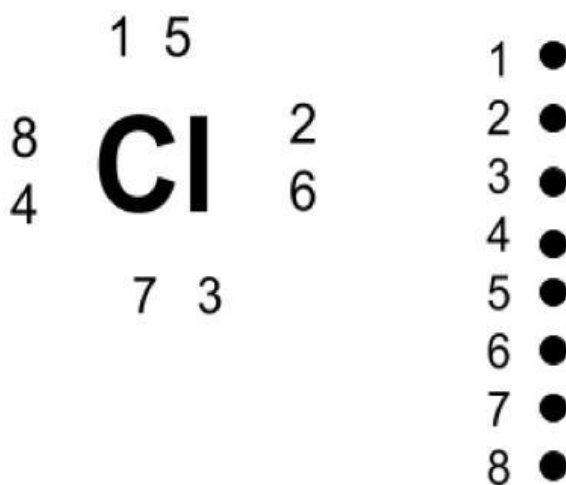
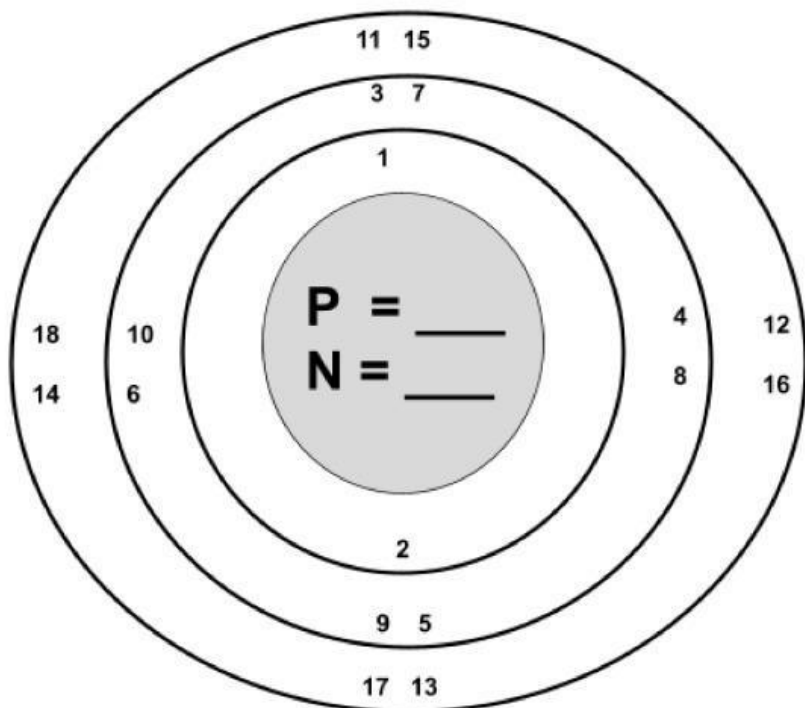
Longhand Electron configuration: _____

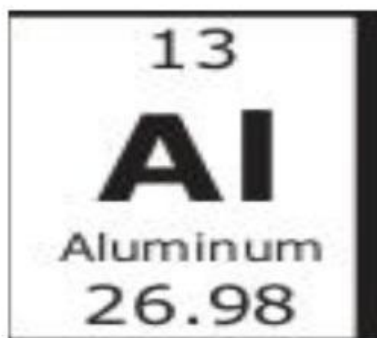
Select correct orbital diagram:
 1S ↑↓ 2S ↑↓ 2P ↑↓ ↑↓ ↑↓ 3S ↑↓ 3P ↑↓ ↑↓ ↑
 1S ↑↓ 2S ↑↓ 2P ↑↓ ↑↓ ↑↓ 3S ↑↓ 3P ↑↓ ↑ ↑

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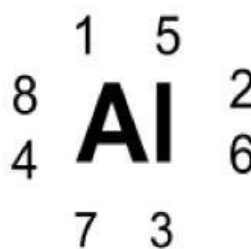
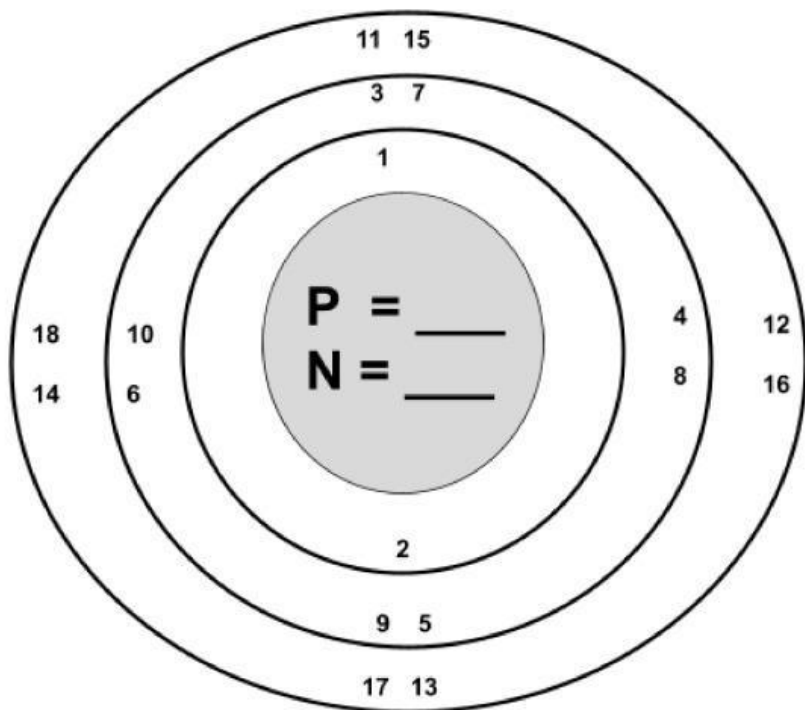
Longhand Electron configuration: _____

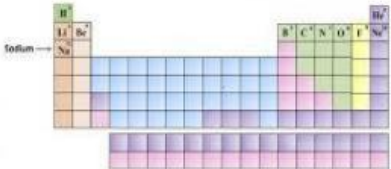
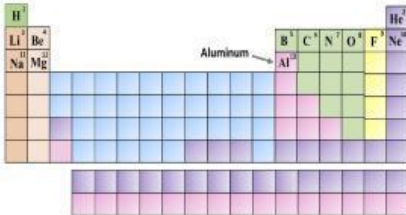
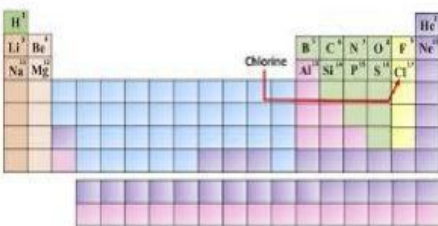
Select correct orbital diagram: $1S \uparrow\downarrow 2S \uparrow\downarrow 2P \uparrow\downarrow \uparrow\downarrow \uparrow\downarrow 3S \uparrow\downarrow 3P \uparrow\downarrow \uparrow$ ____
 $1S \uparrow\downarrow 2S \uparrow\downarrow 2P \uparrow\downarrow \uparrow\downarrow \uparrow\downarrow 3S \uparrow\downarrow 3P \uparrow \uparrow \uparrow$

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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?

