

# Hydrogen

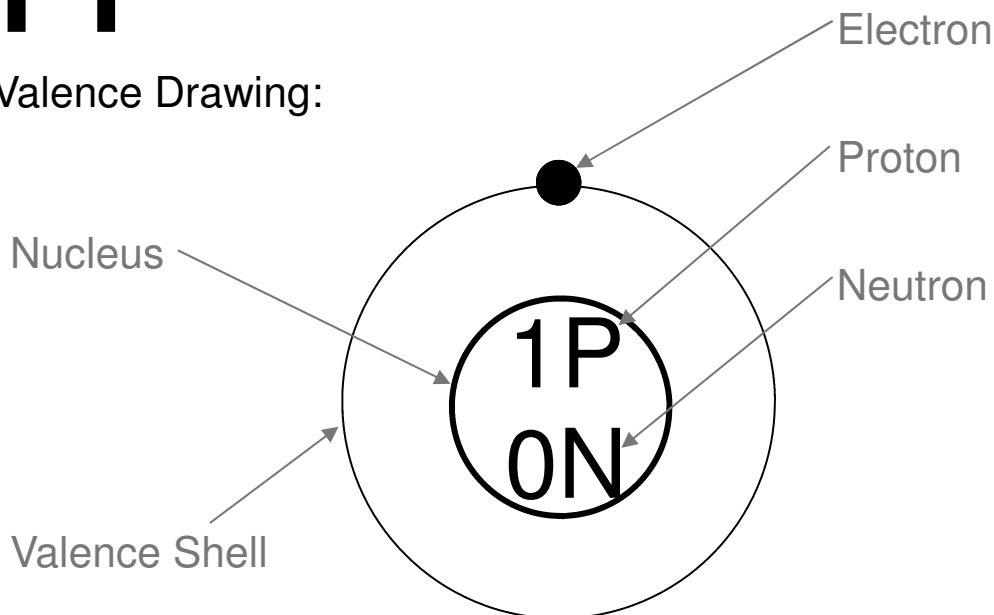
Atomic No.: 1

Symbol:

Atomic Mass: 1.0794

# H

Valence Drawing:



Electron Configuration:  $1s^1$

Is this element a metal, metalloid, or non-metal? Non-Metal

What is the importance of this element to food or nutrition?

- Hydrogen peroxide ( $H_2O_2$ ) is used as a microbial control agent in fresh produce and as a disinfectant in food packaging such as juice boxes.
- Hydrogen is found in all of the carbohydrates, proteins, and fats that make up the food we eat and provide the energy and building blocks for our body's metabolism.
- Water ( $H_2O$ ) is needed for our body to function and is very important in determining the properties of the food we eat.

Atomic No.:

Symbol:

Atomic Mass:

Valence Drawing:

Electron Configuration:

Is this element a metal, metalloid, or non-metal?

What is the importance of this element to food or nutrition?

# Lithium

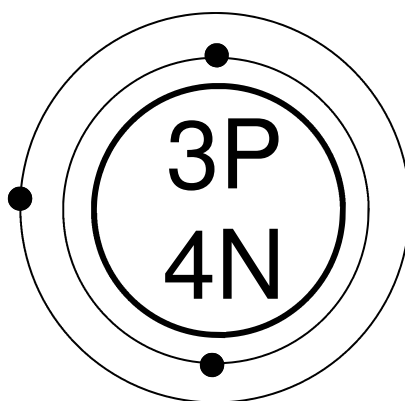
Atomic No.: 3

Symbol:

Atomic Mass: 6.941

# Li

Valence Drawing:



Electron Configuration:  $1s^2 2s^1$

Is this element a metal, metalloid, or non-metal? Metal

What is the importance of this element to food or nutrition?

- Lithium does not have a significant role in food science or nutrition.

# Beryllium

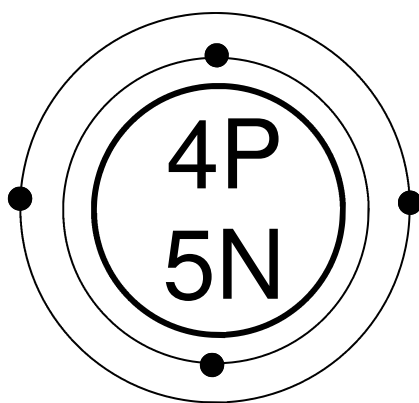
Atomic No.: 4

Symbol:

Atomic Mass: 9.012

# Be

Valence Drawing:



Electron Configuration:  $1s^2 2s^2$

Is this element a metal, metalloid, or non-metal? Metal

What is the importance of this element to food or nutrition?

- Beryllium does not have a significant role in food science or nutrition.

# Silicon

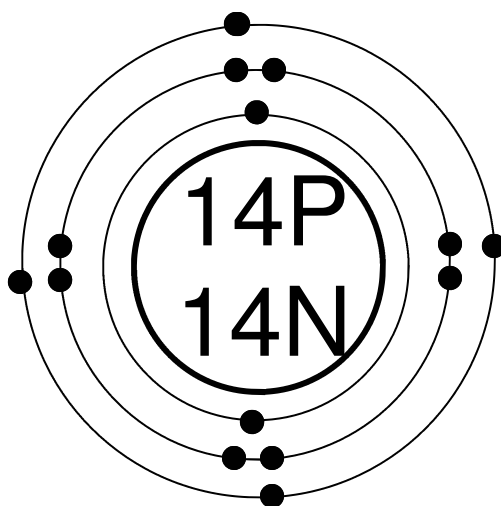
Atomic No.: 14

Symbol:

Atomic Mass: 28.086

# Si

Valence Drawing:



Electron Configuration:  $1s^2 2s^2 2p^6 3s^2 3p^2$

Is this element a metal, metalloid, or non-metal? Metalloid

What is the importance of this element to food or nutrition?

- Silicon does not have a significant role in food science or nutrition.

# Scandium

Atomic No.:

21

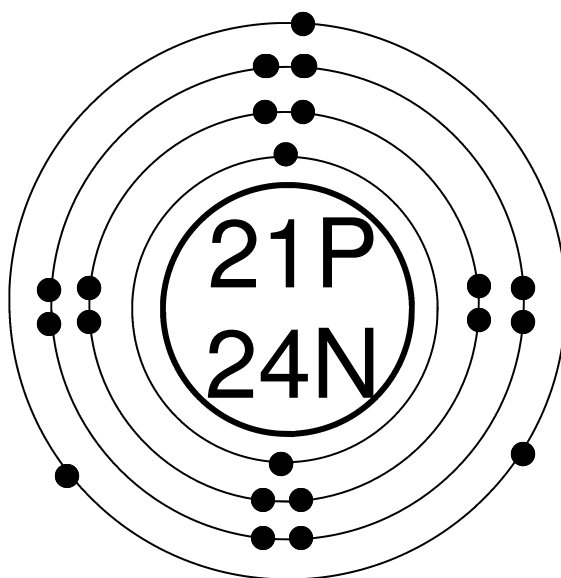
Symbol:

Atomic Mass:

44.956

# Sc

Valence Drawing:



Electron Configuration:  $1s^2 2s^2 2p^6 3s^2 3p^6 3d^1 4s^2$

Is this element a metal, metalloid, or non-metal? Metal

What is the importance of this element to food or nutrition?

- Scandium does not have a significant role in food science or nutrition.

# Gallium

Atomic No.:

31

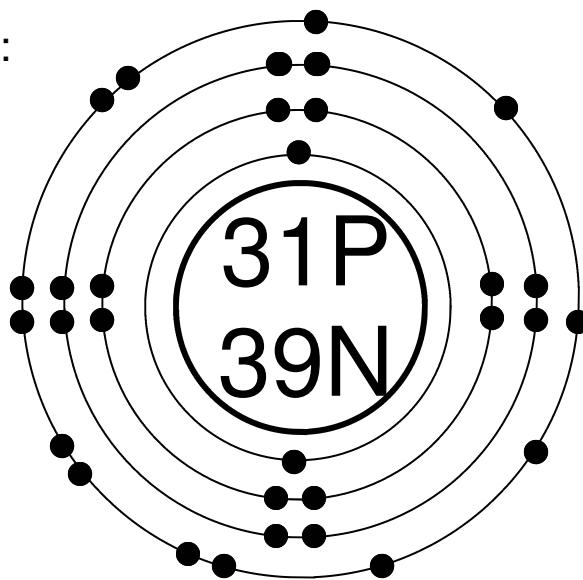
Symbol:

Atomic Mass:

69.723

# Ga

Valence Drawing:



Electron Configuration:  $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^1$

Is this element a metal, metalloid, or non-metal? Metal

What is the importance of this element to food or nutrition?

- Gallium does not have a significant role in food science or nutrition.

# Krypton

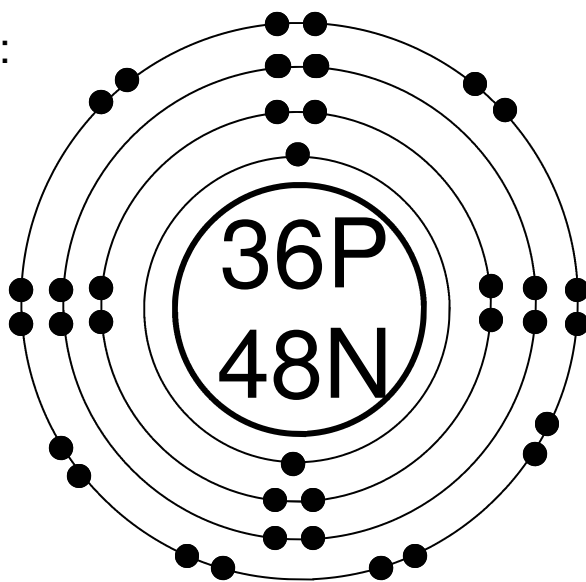
Atomic No.: 36

Symbol:

Atomic Mass: 83.798

# Kr

Valence Drawing:



Electron Configuration:  $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6$

Is this element a metal, metalloid, or non-metal? Non-Metal

What is the importance of this element to food or nutrition?

- Krypton does not have a significant role in food science or nutrition.