

Identifying Type of Element with Reasoning

This column of elements all belong to which group?

This group of elements all belong to which group?

Periodic Table of the Elements

Number
Symbol
Name
Mass

Alkali Metal Alkaline Earth Transition Metal Basic Metal Metalloid Nonmetal Halogen Noble Gas Lanthanide Actinide

Elements	Atomic Number	Atomic Symbol	Group	Metal/Non-metal/ Metalloid
Helium				
Calcium				
Potassium				
Phosphorus				
Neon				
Carbon				

Which word is the odd one out (doesn't belong in the group)?

Explain your choice.

1

Sulphur
Copper
Nitrogen
Oxygen

2

Silver
Calcium
Mercury
Sulphur

3

Potassium
Lithium
Sodium
Arsenic

4

Hydrogen

Helium

Lithium

Lead

5

Xenon

Krypton

Iodine

Helium

6

Gold

Platinum

Silver

Carbon