

Name : ..... Date : .....

## Ions in Chemistry Worksheet

Answer the Following Questions.

1. What are ions, and how are they formed?
2. What are cations and anions, and how are they formed?
3. Complete the table with the appropriate information.

Group	Most Common Ionic Charge
Alkali Metals	
Alkaline Earth Metals	
Boron Family	
Pnictogens	
Chalcogens	
Halogens	
Noble Gases	

# Ions in Chemistry Worksheet

## Answers

1. What are ions, and how are they formed?

An atom or molecule with an overall charge is called an ion. They are formed when electrons are lost or gained, leading to the development of a charge.

2. What are cations and anions, and how are they formed?

**Cations** - Positively charged ions formed by losing electrons

**Anions** - Negatively charged ions formed by adding electrons

3.

Group	Most Common Ionic Charge
Alkali Metals	+1
Alkaline Earth Metals	+2
Boron Family	+3
Pnictogens	-3
Chalcogens	-2
Halogens	-1
Noble Gases	0