

## **Unit 4: Chemical Reactions**

Lesson 6: Isn't it ionic

Guiding Question: Explain the process for naming and writing compounds involving polyatomic ions.

Do Now (page 22):

Name these compounds:

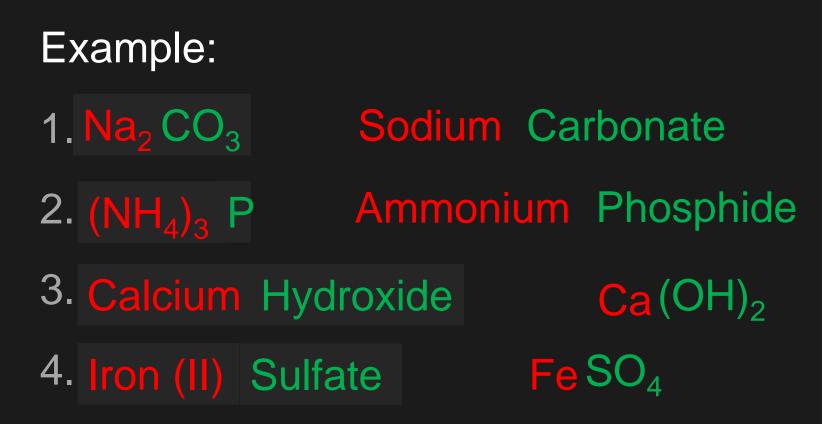
- Na<sub>2</sub>S
- Fe<sub>2</sub>S<sub>3</sub>



• <u>Polyatomic lons</u> – an ion composed of a group of atoms with an overall positive or negative charge

Polyatomic Ion Name	
OH <sup>-1</sup>	hydroxide
NO <sub>3</sub> <sup>-1</sup>	nitrate
CO <sub>3</sub> -2	carbonate
SO <sub>4</sub> -2	sulfate
PO <sub>4</sub> -3	phosphate
NH <sub>4</sub> <sup>+1</sup>	ammonium







- Answer guiding question on page 22
- Achieve 3000: Schools Teach Green Classes due Friday, 2/23 at 11:59pm