

Session 11

Warm-Up: Give the formula to the following compounds.

- Barium Sulfate
- Magnesium Nitrite
- Lithium Perchlorate
- Zinc (II) hydroxide
- Vanadium (III) sulfite
- Dioxygen Monochloride
- Barium fluoride

Question 1: Draw the three possible resonance structures for nitrate.

Question 2: Find the most stable resonance structure for OCN^-

Question 3: Draw the 2 resonance structures for CO_2 and determine which resonance structure is the least stable of the 2.

Question 4: Draw the lewis structure of ammonia.

Cool Down: Calculate the amount of chlorine atoms found in 3.427g of magnesium hypochlorite?

Notes for this session:

Rule / Group	IA	IIA	IIIA	IVA	VA	VIA	VIIA
1) Number of Electrons to Satisfy	2	4	6	8	8	8	8
2) Number of Bonds Usually Formed	1	2	3	4	3	2	1

If you have any questions, feel free to email me at alex24phan@tamu.edu