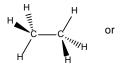
Quiz 3 – Sept. 25, 2019

- 1. (6 pts) Please provide the name for each of the following compounds:
 - a. Co₂(SO₄)₃
 - b. ICl₅
- 2. (13 pts) The following questions relate to the triatomic molecule NOBr, for which **N** is the central atom.
 - a. Please draw **two resonance structures** for NOBr.

- b. Calculate **formal charges** for all atoms in your structures. (Please show answers on structures above.)
- c. Which resonance structure above **best** describes bonding in NOBr? Briefly **explain** your choice.

- d. Based on your answer to part (c), what is the **N-O bond order**?
- 3. (6 pts) For each question below, **circle** the molecule or bond with the desired property:
 - a. Longer carbon-carbon bond:





b. Stronger carbon-carbon bond:



or

