

# Homework 3

September 16, 2022

Weekly homework assignments are posted approximately one week prior to the due date. Collaborations are encouraged and students must report all collaborators in writing on each assignment. All external sources (websites, books) must be properly cited. Additional problems are listed at the end of each assignment. This week's assignment is due *Friday, Sept 23rd at 11:59pm*.

## Extra Practice: Naming Compounds

1) Do the following problems from the textbook: 3.18 to 3.28 (even), 3.30 to 3.56 (even), and 3.62 to 3.90 (even). 8 pts

## Relative Atomic Mass

2) Gallium is composed of two naturally occurring isotopes: Ga-69 (60.11%) and Ga-71. The mass ratio of Ga-71 to Ga-69 is 1.029. What is the mass of Ga-71? (Hint: Use the periodic table to find the relative atomic mass of Ga.) 2 pts