

Name: \_\_\_\_\_

Section: \_\_\_\_\_

Chem 1061 Quiz 2

You must ***show all your work*** and ***place a box around your answer*** for full credit.

1. What is the mass, in *grams*, of a *single* propane ( $C_3H_8$ ) molecule?

Atomic weight of hydrogen = 1.008 amu

Atomic weight of carbon = 12.01 amu

2. The empirical formula of cyclohexane is  $CH_2$  and its molecular weight is 84.16 amu. What is cyclohexane's molecular formula?