**Chem 1013: mini-quiz # 10: molecular masses and basic mole concept A**

 **Feb 23, 2015**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use your Periodic Table to compute the molecular weights of the compounds below. (Round answers to nearest g/mol)

a) C2H6O (drinking alcohol) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

b) SiO2(sand)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

c) CaCO3(limestone)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/ mol

d) The mole concept is the same as the dozen concept YES NO

**Chem 1013: mini-quiz # 10: molecular masses and basic mole concept B**

 **Feb 23, 2015**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use your Periodic Table to compute the molecular weights of the compounds below. (Round answers to nearest g/mol)

a) C3H8O (rubbing alcohol) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

b) CaSO4(gypsum) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

c) H2CO3(carbonic acid-the fizz in soda) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/ mol

d) The mole concept is the same as the dozen concept YES NO

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Use your Periodic Table to compute the molecular weights of the compounds below. (Round answers to nearest g/mol)

a) C12H22O11 (sucrose) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

b) MgSO4(Epsom’s salt) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

c) H2CO3(carbonic acid-the fizz in soda) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/ mol

d) The mole concept is the same as the dozen concept YES NO