**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) \_\_\_\_\_\_\_\_\_\_\_\_\_\_46\_\_\_\_\_\_\_\_\_ g/mol

b) SiO2(sand)\_\_\_\_\_\_\_60\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

c) CaCO3(limestone)\_\_\_100\_\_\_\_\_\_\_\_\_\_\_\_ 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**

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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) \_\_\_\_\_60\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

b) CaSO4(gypsum) \_\_\_\_136\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

c) H2CO3(carbonic acid-the fizz in soda) \_\_\_\_62\_\_\_\_\_\_\_\_\_\_\_ 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) \_\_\_\_342\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

b) MgSO4(Epsom’s salt) \_\_\_~120\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g/mol

c) H2CO3(carbonic acid-the fizz in soda) \_\_\_\_\_62\_\_\_\_\_\_\_\_\_\_ g/ mol

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