Name _____   Name _____

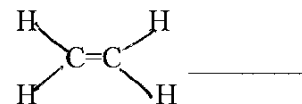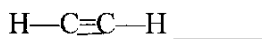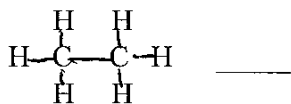Sign _____   Print (bc I can't read your signatures)

extra Credit – quiz redo

Please show work for full credit and partial credit on all questions   *green*
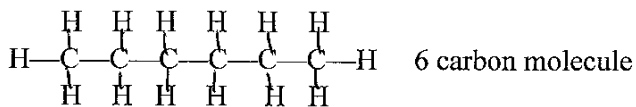
1.   a. 1 mole of Ca = _____ grams (2 pts)

   b. 1 mole of Ca Cl$_2$ = _____ grams show work (2 pts)

   c. What is the molarity of a solution made by dissolving 0.5   moles of Na Cl in water to make up
       1.5   Liters of the salt solution ?   (Molarity = moles solute / liters of solution) (2 pts)

2.   Fill in the blank to match the structure & name. (A) alkyne   (B) benzene (C) Alkane (D) alkene
(8 pts, 2 pts each blank)

3.   Draw the structure of 1,3- difluorobenzene   (F subsitutuent is flouro) (3 pts)

4.   Show one constitutional isomer of the following molecule   (3 pts)

   6 carbon molecule

Extra Credit   (4 pts)

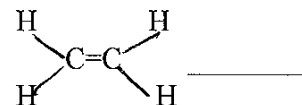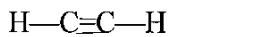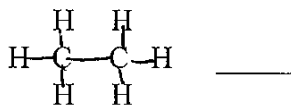Show the product of the following reaction.

Name _____ Name _____

Sign _____ Print (bc I can't read your signatures)

extra Credit - quiz redo

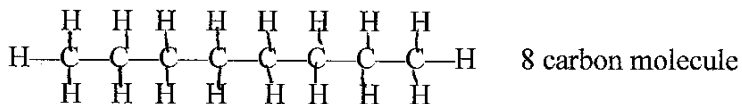**Please show work** for full credit and partial credit on all questions

1. a. 1 mole of Mg = _____ grams (2 pts)

    b. 1 mole of MgF_2 = _____ grams show work (2 pts)

    c. What is the molarity of a solution made by dissolving 1.2 moles of NaCl in water to make up 2.1 Liters of the salt solution ? (Molarity = moles solute / liters of solution) (2 pts)

2. Fill in the blank to match the structure & name. (A) benzene (B) Alkane (C) alkene (D) alkyne (8 pts, 2 pts each blank)

3. Draw the structure of 2,3,4-tribromopentane (pentane has 5 C, Br substituent is bromo) (3 pts)

4. Show one constitutional isomer of the following molecule (3 pts)

  8 carbon molecule

Extra Credit (4 pts)

Show the product of the following reaction.
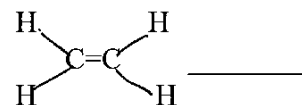
$H—C{\equiv}C—H$ + H_2 → _____

Name _____   Name _____
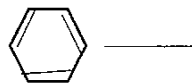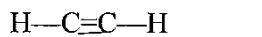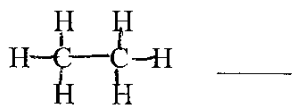
Sign _____   Print (bc I can't read your signatures)

extra credit - quiz redo

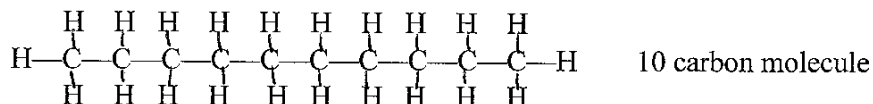**Please show work** for full credit and partial credit on all questions

1.   a. 1 mole of S = _____ grams (2 pts)

b. 1 mole of $Na_2 S$ = _____ grams show work (2 pts)

c. What is the molarity of a solution made by dissolving 2.5   moles of Na Cl in water to make up 3.2   Liters of the salt solution ?   (Molarity = moles solute / liters of solution) (2 pts)

2.   Fill in the blank to match the structure & name. (A) alkene   (B) alkyne   (C) benzene (D) Alkane (8 pts, 2 pts each blank)

3.   Draw the structure of 3,4-dimethylhexane (hexane has 6 C, methyl substituent is CH_3—) (3 pts)

4.   Show one constitutional isomer of the following molecule   (3 pts)

10 carbon molecule

Extra Credit   (4 pts)   Show the product of the following reaction.

H—C≡C—H + H_2 → _____

Name _____   Name _____
Sign   Print (bc I can't read your signatures)

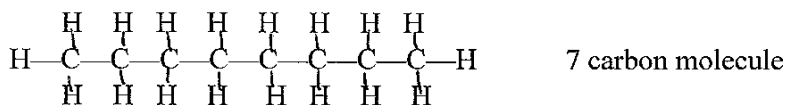**Please show work** for full credit and partial credit on all questions   *Green*

1.   a. 1 mole of N = _____ grams (2 pts)

     b. 1 mole of $Li_3 N$ = _____ grams show work (2 pts)

     c. What is the molarity of a solution made by dissolving 3.6 moles of Na Cl in water to make up 1.2 Liters of the salt solution ?   (Molarity = moles solute / liters of solution) (2 pts)

2.   Fill in the blank to match the structure & name. (A) benzene (B) alkyne   (C) Alkane (D) alkene (8 pts, 2 pts each blank)
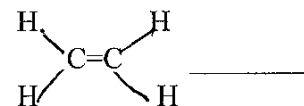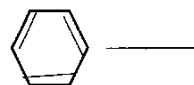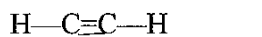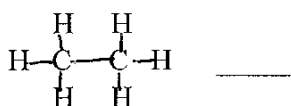
3.   Draw the structure of 2,3-dimethylbenzene (methyl substituent is CH_3—) (3 pts)

4.   Show one constitutional isomer of the following molecule   (3 pts)

7 carbon molecule

Extra Credit   (4 pts)   Show the product of the following reaction.