

Total: \_\_\_/10

Name: Key

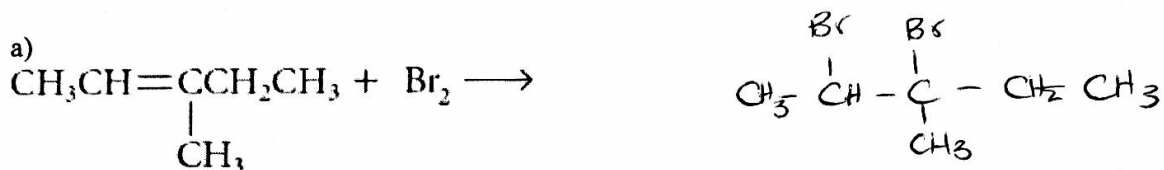
**Organic Chemistry**  
**Quiz 2: 1.2 – Alkenes and Alkynes (A)**

1. Explain the phrase "the rich get richer" as it applies to Markovnikov's rule.

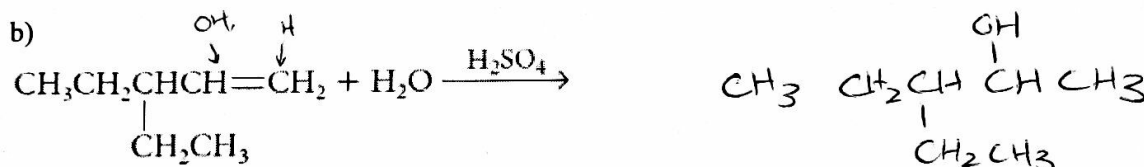
/1

2. Draw the structural diagrams of the compounds formed by each of the following addition reactions.

/3



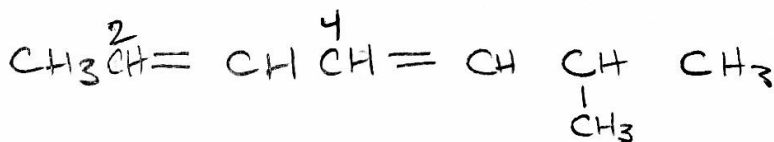
Name the product formed: 2,3-dibromo-3-methylpentane



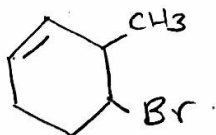
3. Draw structural diagrams for each of the following compounds:

/3

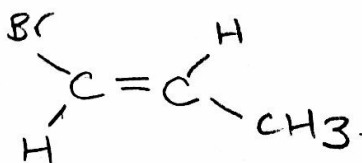
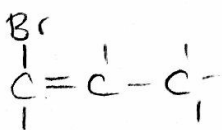
a) 6-methylhepta-2,4-diene



b) 4-bromo-3-methylcyclohex-1-ene



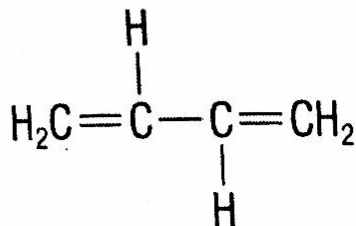
c) trans-1-bromoprop-1-ene



4. Name each of the following structures:

/3

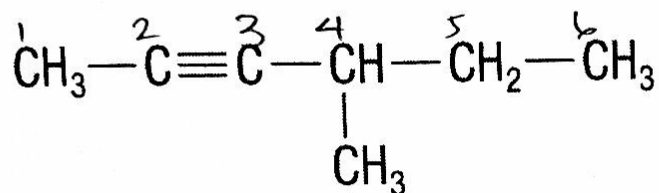
a)



buta-1,3-diene

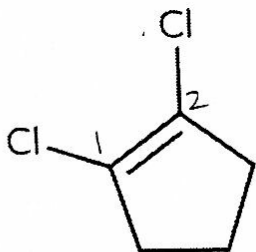
(1,3)  
butadiene

b)



4-methylhex-2-yne

c)



1,2-dichlorocyclopent-1-ene

OR 1,2-dichlorocyclopentene