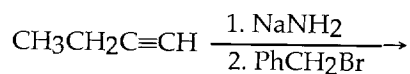


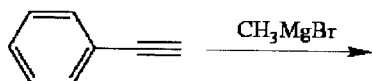
Name _____

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

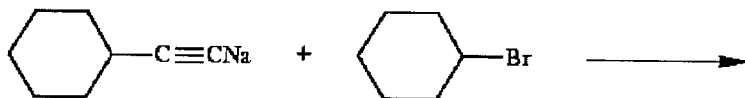
- 1) Give the IUPAC name for $(\text{CH}_3)_2\text{C}(\text{CH}_2\text{CH}_3)\text{C}\equiv\text{CCH}(\text{CH}_3)_2$.
- 2) Give the IUPAC name for $\text{HC}\equiv\text{CCH}_2\text{CH}_2\text{CH}_3$.
- 3) Give the IUPAC name for $\text{CH}_3\text{CH}=\text{CHCH}=\text{CHC}\equiv\text{CCH}_3$.
- 4) Give the IUPAC name for $\text{BrCH}_2\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_3$.
- 5) Draw an acceptable structure for 3-*sec*-butylhept-1-yne.
- 6) Provide the structure of the major organic product(s) in the reaction below.



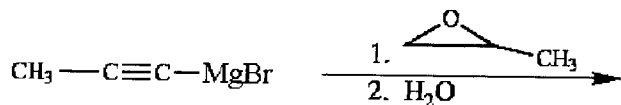
- 7) Provide the structure of the major organic product(s) in the reaction below.



- 8) Provide the structure of the major organic product(s) in the reaction below.



- 9) Provide the structure of the major organic product(s) in the reaction below.



- 10) Provide the structure of the major organic product(s) in the reaction below.

