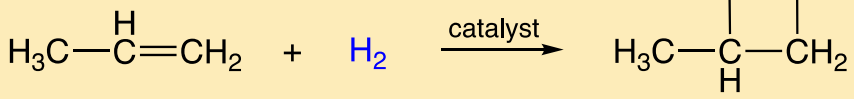
CONCEPT: HYDROGENATION REACTIONS

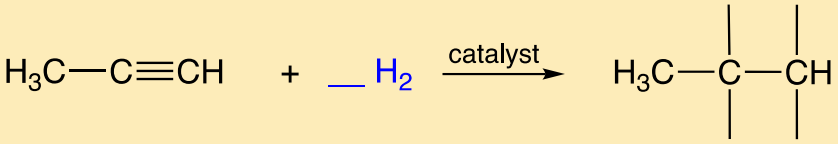
- Under this type of reaction ____ Hs are added to ___ π bond.
  - □ Due to stability of H_2, a _____ is required to break the H-H bond first.

Hydrogenation Reactions

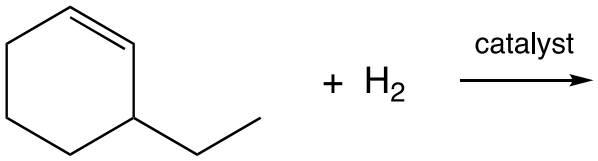
Alkene → **Alkane**



Alkyne → **Alkane**



EXAMPLE: Identify the major product of the following hydrogenation reaction.



PRACTICE: Write a hydrogenation reaction of the following alkyne and name the organic product formed.