

# CHEM 20481 - Basic Organic Chemistry - Chapter 9 Review

## Alkynes

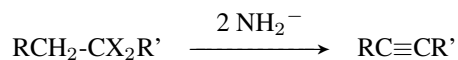
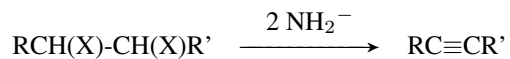
### General

Alkynes contain C≡C bond. Physical and chemical properties are very similar to those of alkenes.

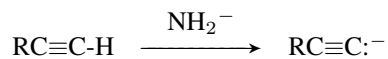
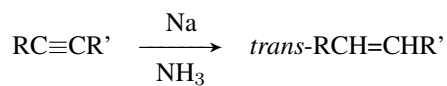
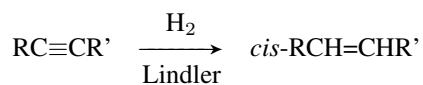
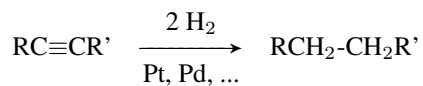
### Nomenclature

-ane → -yne. Ex. (CH<sub>3</sub>)<sub>2</sub>CHC≡CH is 3-methyl-1-butyne.

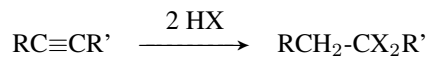
### Synthesis of Alkynes



### Reactions of Alkynes



*Strongly basic nucleophile*



*geminal dihalide*

