

Which of the following is more reactive?

A. Alkane

B. Alkyne

C. Alkene

D. None of these

Explanation

Alkene is more reactive

In Alkene, the pi bond is easily accessible for an electrophile. Therefore, Alkene undergo electrophilic addition reaction.

However, it not Alkyne owing to the reason that the bond length between Alkyne is shorter. Thus, the pi bond is not easily available for an electrophile.

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