

Which of the following molecules is a conjugated system?

- a) $\text{H}_2\text{C}=\text{C}=\text{CH}-\text{CH}_3$ b) $\text{H}_2\text{C}=\text{CH}-\text{CH}=\text{CH}_2$ c) $\text{H}_2\text{C}=\text{C}=\text{C}=\text{CH}_2$ d) $\text{H}_2\text{C}=\text{CH}-\text{CH}=\text{CH}_2$

A conjugated system is a sequence of alternating double bonds and single bonds in a molecule. This arrangement of bonds leads to the delocalization of electrons, which can affect the chemical and physical properties of the molecule.

To determine which of the following molecules is a conjugated system, you will need to look for the presence of alternating double bonds and single bonds in the structure.

The molecule that is a conjugated system is:

