## UFENE OFE OGECHI

## PHARMACY

19/MHS11/141

## CHEM 102 (ASSIGNMENT)

1\&2.

3. Hexa-2,4-diene - has only 3 isomers


Isomers
trans-trans isomer

(2E,4E)-hexa-2,4-diene
cis-trans isomer

(2E,4Z)-hexa-2,4-diene (2Z,4E)-hexa-2,4-diene
cis-cis isomer

(2Z,4Z)-hexa-2,4-diene
B. 2,3 dimethy but-2-ene. - does not have geometric isomers because there are two identical groups attached to the same carbon of the double bond.

## $\mathrm{CH}_{3} \backslash \mathrm{C}=\mathrm{C}^{-\mathrm{CH}_{3}}$ <br> $\mathrm{CH}_{3} / \mathrm{C}=\mathrm{C} \backslash \mathrm{CH}_{3}$

## 2,3-dimethylbut-2-ene

