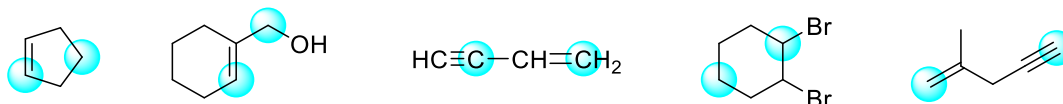


4) ALCENI ED ALCHINI

1) Indicare ibridizzazione, angolo di legame e la geometria dei carboni indicati:



2) Disegnare le formule di struttura dei seguenti composti:

a) *trans*-2-Metil-3-esene

b) 2,3-Dimetil-2-butene

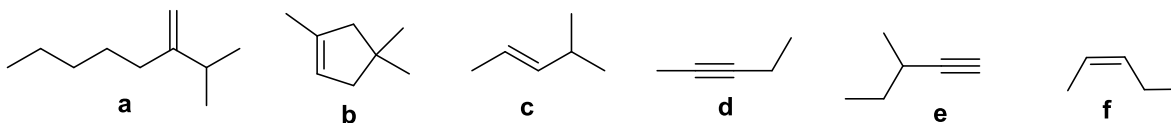
c) 2-Metil-3-esino

d) *cis*-2-Pentene

e) 3-Metilcicloesene

f) 1-Isopropil-4-metilcicloesene

3) Scrivere i nomi IUPAC dei seguenti composti



4) Quale dei seguenti alcheni esiste come coppia di isomeri *cis/trans*

a) 1-esene

b) 3-Metil-2-esene

c) 2,3-Dimetil-2-pentene

d) 2,4-Dimetil-2-pentene

e) 2-Esene

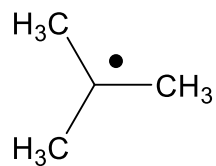
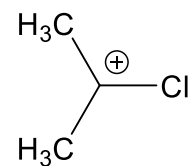
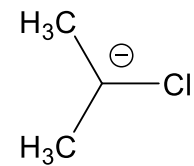
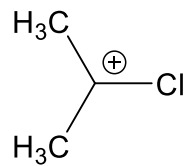
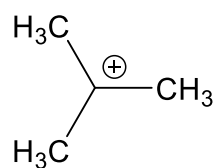
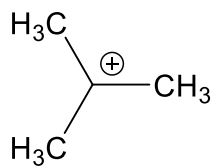
f) 2,3-Dimetil-2-butene

5) Ci sono tre composti di formula molecolare $\text{C}_2\text{H}_2\text{Br}_2$. Disegnare le tre strutture.

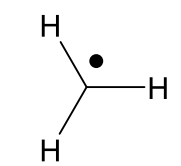
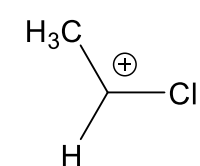
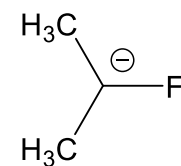
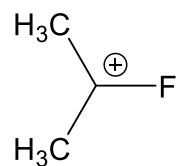
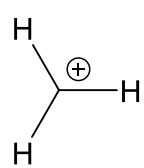
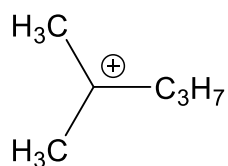
6) Scrivere le forme di risonanza di un catione allilico, di un radicale allilico, di un anione allilico e di un catione benzilico

7) Classificare questi composti per ordine crescente di stabilità

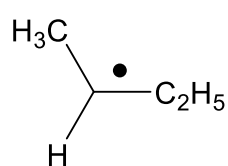
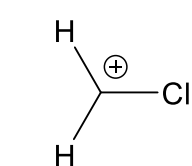
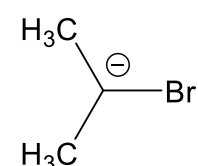
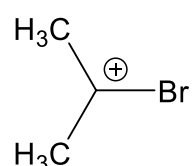
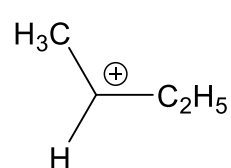
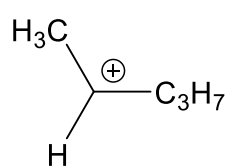
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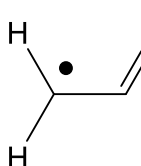
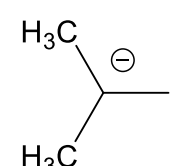
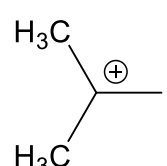
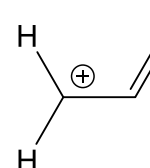
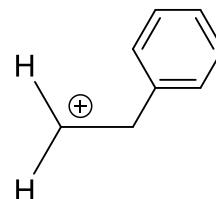
B



C



D



8). Disegnare il prodotto maggioritario delle seguenti reazioni

