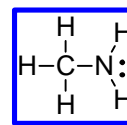
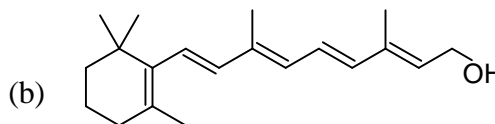
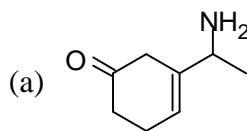


1.1 Qual è la configurazione elettronica dell'ossigeno ${}_8\text{O}$? $1s^2 2s^2 2p^4$

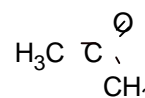
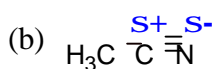
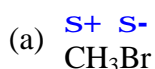
1.2 Scrivere la struttura di Lewis per il composto CH_3NH_2 .



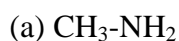
1.3 Scrivete le formule molecolari per le seguenti strutture.



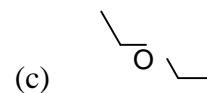
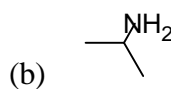
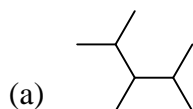
1.4 Indicate mediante cariche parziali la polarità dei legami nei seguenti composti:



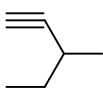
1.5 Illustrare quali sono i residui che si ottengono in seguito alla rottura del legame indicato:



1.6 Scrivete le formule di struttura condensate per le seguenti strutture:



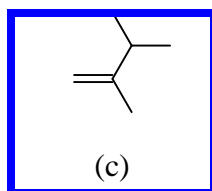
1.7 Quale dei seguenti composti non è isomero agli altri della serie?



(a)



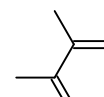
(b)



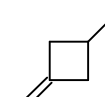
(c)



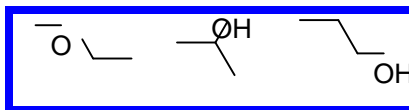
(d)



(e)



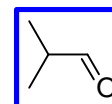
(f)



1.8 Scrivere tutti i possibili isomeri della sostanza $\text{C}_3\text{H}_8\text{O}$.

1.9 Quale composto, della seguente coppia, è più acido? CH_4 o NH_3

1.10 Scrivete la formula di struttura completa per il composto $(\text{CH}_3)_2\text{CHCHO}$.



1.10 Indicare le coppie di elettroni non condivise sulle seguenti strutture:

