

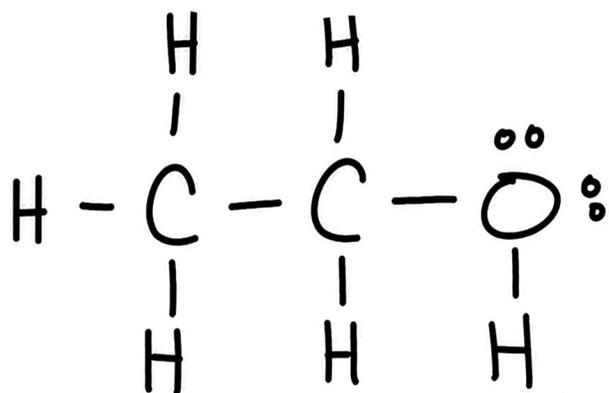
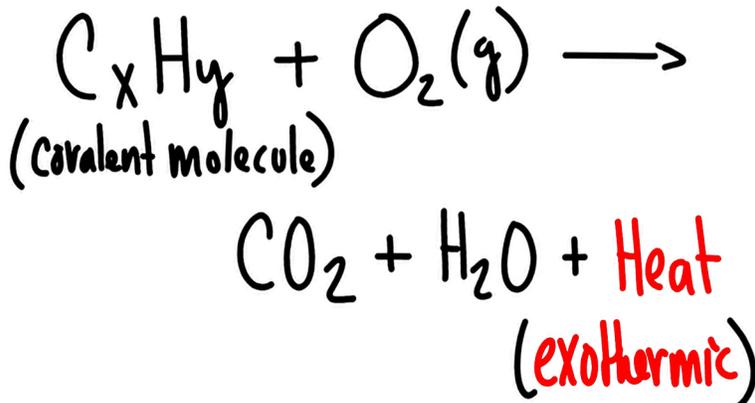
Noteset 4D (Part 7) - In Class Noteset

Combustion Reactions

Combustion Reactions

Complete Combustion

(excess oxygen, O_2)

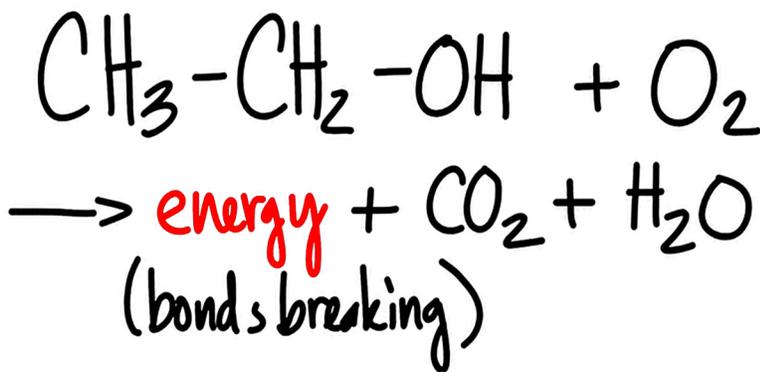
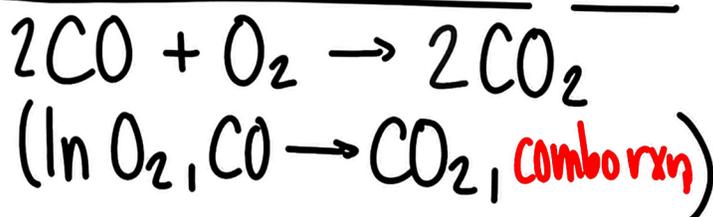
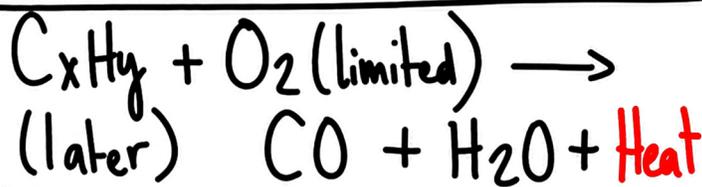
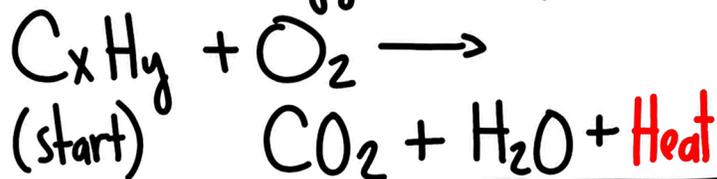


C_2H_5OH (ethanol)

- 5 H-C Bonds (weaker)
- 1 C-O Polar Bond (stronger)
- 1 H-O Polar Bond (stronger)
- 1 C-C Bonds (weaker)

Incomplete Combustion

(limited oxygen, O_2)



Bond Energy (PE) \longrightarrow Heat (KE)

Reaction produces heat
More Bonds = More heat!