pg 235 # 1 - 4 Answers (6.7)

1. Synthesis means to put atoms or molecules together,

2 H2 + O2 🡪 2 H2O

while decomposition means to break molecules apart.

2 H2O 🡪 2 H2 + O2

2a) synthesis

b) decomposition

c) synthesis

d) decomposition

3&4 a) 4 Fe + 3 O2 🡪 2 Fe2O3

b) 2 NaI 🡪 2 Na + I2

c) 2 H2 + O2 🡪 2 H2O

d) ZnCO3 🡪 ZnO + CO2 balanced