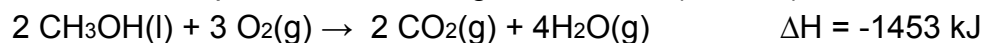
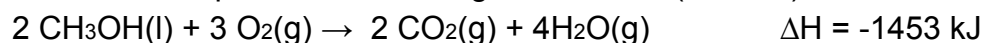


Heat Stoich- How much heat?

1. How much heat is produced if 25.00 g of methanol (CH₃OH) is burned in excess O₂?



2. How much heat is produced if 16.00 g of methanol (CH₃OH) is burned in excess O₂?



3. How much energy is changed if 45g of P₄ is used with unlimited Cl₂?



4. How much does the energy change if 23g of Cl₂ is used with unlimited P₄?



5. How much energy is released if you use 245g of NH₃?



6. You produce 6 grams of N₂, what is the heat produced by the reaction?



7. You produce 6 grams of H₂, what is the heat released?



1. -567.578kJ -567.6kJ

2. -363.25kJ -363.3kJ

3. -885.12kJ -890kJ

4. -131.683kJ -130kJ

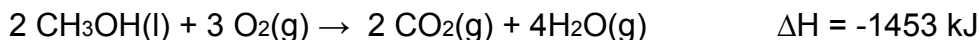
5. -24,773.82kJ -24,800kJ

6. -736.7kJ -700kJ

7. -3438kJ -3000kJ

How much heat?

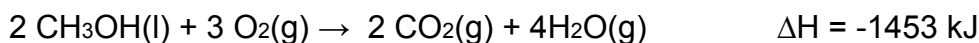
1. What is the heat if 25.00 g of methanol (CH₃OH) is burned in excess O₂? The reaction is



-567.578kJ

-567.6kJ

2. What is the heat if 16.00 g of methanol (CH₃OH) is burned in excess O₂? The reaction is



-363.25kJ

-363.3kJ

3. What is the heat if 45g of P₄ is used with unlimited Cl₂?



-885.12kJ

-890kJ

4. What is the heat if 23g of Cl₂ is used with unlimited P₄?



-790.09859kJ

-790kJ

5. What is the heat if you use 245g of NH₃?



-24,773.82kJ

-24,800kJ

6. You produce 6 grams of N₂, what is the heat?



-736.7kJ

-700kJ

7. You produce 6 grams of H₂, what is the heat?



-3438kJ

-3000kJ

