

## Tressfysikk – Løsning oppgave 13.338

Massen til molekylene i u:

a)  $\text{CH}_4 \Rightarrow \text{C} + 4 \text{H} = 12,01 \text{ u} + 4 \cdot 1,008 \text{ u} = (12,01 + 4,032) \text{ u} = 16,042 \text{ u}$

b)  $\text{NO}_2 \Rightarrow \text{N} + 2 \cdot \text{O} = 14,01 \text{ u} + 2 \cdot 16,00 \text{ u} = 46,01 \text{ u}$

c)  $\text{SO}_3 \Rightarrow \text{S} + 3 \cdot \text{O} = 32,07 \text{ u} + 3 \cdot 16,00 \text{ u} = 80,07 \text{ u}$

d)  $\text{K}_2\text{SO}_4 \Rightarrow 2 \cdot \text{K} + \text{S} + 4 \cdot \text{O} = (2 \cdot 39,10 + 32,07 + 4 \cdot 16,00) \text{ u} = 174,27 \text{ u}$