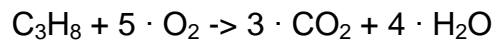


2021-02-22



Massen til et propanmolekyl:

$\text{C}_3 = 3 \cdot \text{C}$	$3 \cdot 12,01 \text{ u}$	$36,03 \text{ u}$
$\text{H}_8 = 8 \cdot \text{H}$	$8 \cdot 1,008 \text{ u}$	$8,06 \text{ u}$
Sum		$44,09 \text{ u}$

1 mol C_3H_8 har massen $44,09 \text{ g} \approx 44,0 \text{ [g]}$

Når det forbrenner, blir det 3 mol CO_2 . Massen til et CO_2 molekyl:

C	$12,01 \text{ u}$	$12,01 \text{ u}$
$\text{O}_2 = 2 \cdot \text{O}$	$2 \cdot 16,00 \text{ u}$	$32,00 \text{ u}$
Sum		$44,01 \text{ u}$

3 mol CO_2 har massen $3 \cdot 44,01 \text{ [g]} = 132,0 \text{ [g]}$