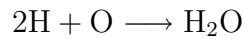


Opgaves 3

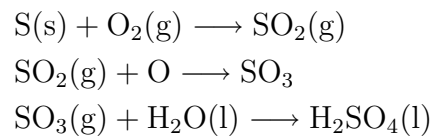
MADS MUNCH HANSEN

16. december 2004

1.



2.



3.



4.



5.

$$\begin{aligned} 92 \text{ kg} \cdot 63\% &= 57,96 \text{ kg} \\ \frac{57,96 \text{ kg}}{18.0152 \text{ g/mol}} &= 3217,2832 \text{ mol} \end{aligned}$$

6.

$$1000 \text{ kg} \cdot 10\% = 100 \text{ kg}$$

7.	n (mol)	(NH ₄) ₂ CR ₂ O ₇	→	N ₂	+	H ₂ O	Cr ₂ O ₃	
	m (g)	5,04		0,56026		104399	3,0398	
	M (g/mol)	252,0014		28,0134		17,9994	151,9904	

8.	n (mol)	2Mg	+	CO ₂	→	C	+	2MgO
	m (g)	0,486				0,12008		
	M (g/mol)	24,305				2,011		

9.

