

$2Na \rightarrow 2H_2O \rightarrow 2NaOH + H_2$
 $\frac{2 \cdot 23}{2 \cdot 23} : 23 = 0,05 \text{ molas}$
 $n(Na) = 0,15 : 23 = 0,0065$
 $m(NaOH) = n(Na)$
 $m_1(NaOH) = 100 \cdot 0,05 = 5 \text{ g}$
 $m_2(NaOH) = \frac{1,15 \cdot 100}{23} = 5 \text{ g}$
 $m(NaOH) = 5 + 5 = 10 \text{ g}$
 $m(H_2) = \frac{1,15 \cdot 2}{23} = 0,1$
 $m_1(p-fa) = 100 + 1,15 - 0,05 = 101,1 \text{ g}$
 $w(NaOH) = \frac{10}{101,1} \cdot 100\% = 9,9\%$

175

Orba $w(NaOH) = 9\%$

Zagawa 1

Perisene

$w(SnO_2) = ?$
 $\text{Set } p\text{-uy MO?}$
 $Mn = 5,2 \text{ mola}$
 $V(O_2) = 1,54 \text{ m}^3$
 $n(O_2) = \frac{1,544}{22,4} = 0,068$
 $n(SnO_2) = 0,068 \text{ molas}$
 $m(SnO_2) = 0,068 \cdot 151 = 10,27 \text{ g}$
 $n(H_2O) = \frac{0,06}{3} = 0,02 \text{ molas}$
 $M(H_2O) = \frac{3,02}{0,02} = 151 \text{ g/mola}$

$M(H_2O) = 151 - 16 \cdot 2 = 119 \text{ g/mol Sn}$

Orba SnO_2

Alakobane gawe weew SnO_2

$w(SnO_2) = \frac{m(SnO_2)}{m(\text{mala})} \cdot 100\%$

$w(SnO_2) = \frac{3,02}{8,24} \cdot 100\% = 36,65\%$

105

Umoro! 175