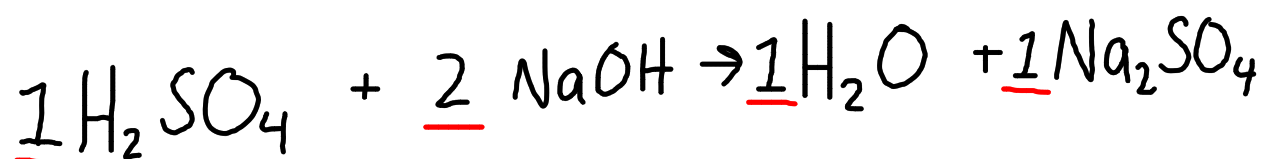


Stoichiometry Conversions with Mass



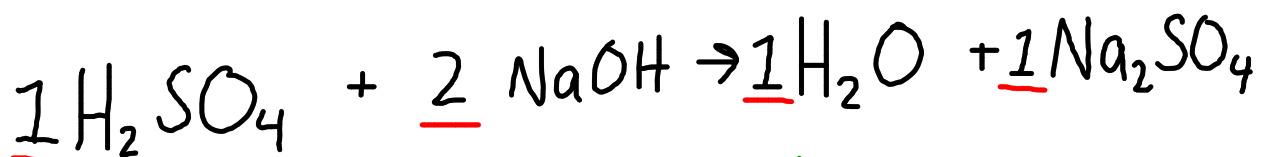
OR





If I have 2 g of ^{"A"}Na₂SO₄, how many
moles of ^{"B"}H₂O are also made?

$$2 \text{ g Na}_2\text{SO}_4 \times \frac{1 \text{ mol Na}_2\text{SO}_4}{142 \text{ g Na}_2\text{SO}_4} \times \frac{1 \text{ mol H}_2\text{O}}{1 \text{ mol Na}_2\text{SO}_4} = 0.014 \text{ mol H}_2\text{O}$$



How many grams of ^{H₂O "B"}water can be made from
15.6 mol of NaOH?
"A"

$$15.6 \text{ mol NaOH} \times \frac{1 \text{ mol H}_2\text{O}}{2 \text{ mol NaOH}} \times \frac{18 \text{ g H}_2\text{O}}{1 \text{ mol H}_2\text{O}} = \boxed{140.4 \text{ g H}_2\text{O}}$$

Entire Stoichiometry Road Map

