

- 1.) Given the balanced chemical equation $Br_2 + 2Nal --> 2NaBr + I_2$

a. how many moles of sodium bromide could be produced from 0.172 moles of bromine?

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b. how many grains of sodium iodide are required to produce 28.2 grams of iodine? $28.29E_{2} \times \frac{\text{mol} E_{2}}{253.819E} \times \frac{2\text{mol} \text{HaI}}{253.819E} \times \frac{149.89\text{gNaI}}{1\text{mol} \text{NaI}} = \boxed{33}$

c. how many grams of bromine are required to react with 98.2 grams of sodium iodide? 98.2 gHaT × | MOHAAI × |