

4) Balance the following equation $\text{___ FeS}_2 + \text{___ O}_2 \rightarrow \text{___ Fe}_2\text{O}_3 + \text{___ SO}_2$

If you react 25.8 g of iron (IV) sulfide, FeS_2 , what volume of the gas sulfur dioxide, SO_2 , will be produced at 134 kPa and 293 K?

5) Balance the following equation $\text{___ H}_2\text{SO}_4 + \text{___ Al} \rightarrow \text{___ H}_2 + \text{___ Al}_2(\text{SO}_4)_3$

If you have 34.5 g of Al and react it completely, what volume of H_2 gas will you have at 8.5°C , and 784 torr?