

Answer on Question #55558 – Chemistry – General Chemistry

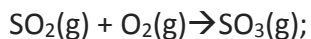
Question:

Predict the products and write a balanced equation for each of the following.

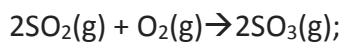
Combination: $\text{SO}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow \text{---}$

Express your answer as a chemical equation. Identify all of the phases in your answer.

Solution:



The balanced equation:



The boiling point of $\text{SO}_3 = 45^\circ\text{C}$, but according to the equation SO_3 will be produced in the gaseous form.

