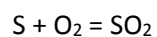## Answer on Question#39091 - Chemistry - Inorganic Chemistry

Question:

What volume of sulfur dioxide will result from the reaction of excess sulfur with 8 liters of oxygen?

Answer:

$S + O_2 = SO_2$

In our task noted that sulfur is in excess. That's why we calculate the volume of sulfur dioxide using dates of oxygen.

As you see from the chemical reaction of sulfur oxidation from 1 mole of O_2 we can get 1 mole of SO_2. That's why from 8 liters of oxygen we can get 8 liters of sulfur dioxide.

Answer: 8 liters of sulfur dioxide.