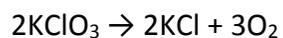


## Answer on Question #52595 - Chemistry – Inorganic Chemistry

### Question



How many moles of  $\text{O}_2$  can be produced by letting 6.0 moles of  $\text{KClO}_3$  react based on the above equation?

### Answer:

According to the reaction equation:

2 mol of  $\text{KClO}_3$  produce 3 mol of  $\text{O}_2$

6.0 mol of  $\text{KClO}_3$  –  $x$  mol of  $\text{O}_2$

$$x = \frac{6.0 \cdot 3}{2} = 9.0 \text{ mol}$$

**Answer:** 9.0 mol of  $\text{O}_2$  can be produced