## Question #83543, Chemistry / General Chemistry | for completion

Determine the percent of oxygen in potassium sulfite. In a 125.0 gram sample of potassium sulfite what mass is oxygen?

```
Answer:
```

```
K_2SO_3 potassium sulfite  Mr = 39 \times 2 + 32 + 16 \times 3 = 158   M_O=16 \times 3 = 48 \text{ (O)}   w_\%=m_O \times 100 \text{ \% / m}_{total} = 48 \times 100 \text{ \% / } 158 = 30.38 \text{ \% (O)}   m_O=m_{total} \times w_\%/100 = 125 \times 30.38 \text{ / } 100 = 37.97 \text{ g (O)}
```

Answer provided by www.AssignmentExpert.com