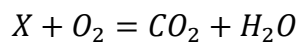


Answer question #70031

If 11.7 g of a substance burns completely with oxygen from air, what mass of oxygen reacted if 15.5 g of carbon dioxide and 10.7 g of water are produced as the products?

**Solution:**



We need to use the law of mass conservation:

$$11.7g + m(O_2) = 15.5g + 10.7g$$

$$m(O_2) = 26.2g - 11.7g = 14.5g$$

**Answer: 14.5g.**