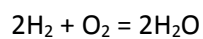


## Question #80909, Chemistry / Other

Hydrogen and oxygen combine in a ratio of 1:8 to form water .indicate what will happen if we combine 14g hydrogen with 50g of oxygen.

Answer:



4g-----32g

14g-----X

$$X = (14 \times 32) / 4$$

X= 112 g (O<sub>2</sub>); not yet 62 g oxygen;

4 g-----32 g

Y g-----50 g

$$Y = (50 \times 4) / 32$$

Y= 6.25 g (H<sub>2</sub>)

So we have 14 g H<sub>2</sub> and remain H<sub>2</sub> 7.75 g (14-6.25) after reactions and 56.25 g water is formed.

Answer provided by AssignmentExpert.com