

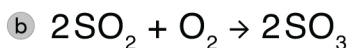
Mole Ratio Worksheet

For each equation provided, determine the following molar ratios.



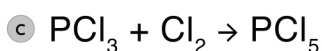
$$\text{N}_2 : \text{H}_2 =$$

$$\text{NH}_3 : \text{H}_2 =$$



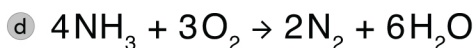
$$\text{O}_2 : \text{SO}_3 =$$

$$\text{O}_2 : \text{SO}_2 =$$



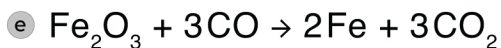
$$\text{PCl}_3 : \text{Cl}_2 =$$

$$\text{PCl}_3 : \text{PCl}_5 =$$



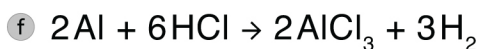
$$\text{NH}_3 : \text{N}_2 =$$

$$\text{H}_2\text{O} : \text{O}_2 =$$



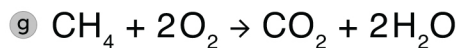
$$\text{CO} : \text{CO}_2 =$$

$$\text{Fe} : \text{CO} =$$



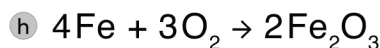
$$\text{Al} : \text{AlCl}_3 =$$

$$\text{HCl} : \text{H}_2 =$$



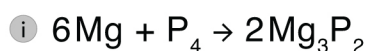
$$\text{CH}_4 : \text{O}_2 =$$

$$\text{O}_2 : \text{H}_2\text{O} =$$



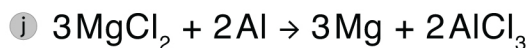
$$\text{Fe} : \text{Fe}_2\text{O}_3 =$$

$$\text{O}_2 : \text{Fe}_2\text{O}_3 =$$



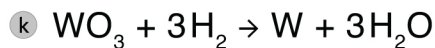
$$\text{Mg} : \text{Mg}_3\text{P}_2 =$$

$$\text{P}_4 : \text{Mg}_3\text{P}_2 =$$



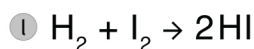
$$\text{MgCl}_2 : \text{Al} =$$

$$\text{Al} : \text{AlCl}_3 =$$



$$\text{WO}_3 : \text{W} =$$

$$\text{H}_2 : \text{H}_2\text{O} =$$

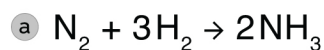


$$\text{H}_2 : \text{HI} =$$

$$\text{I}_2 : \text{HI} =$$

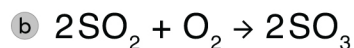
Mole Ratio Worksheet

Answers



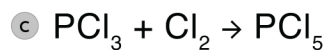
$$\text{N}_2 : \text{H}_2 = 1:3$$

$$\text{NH}_3 : \text{H}_2 = 2:3$$



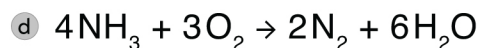
$$\text{O}_2 : \text{SO}_3 = 1:2$$

$$\text{O}_2 : \text{SO}_2 = 1:2$$



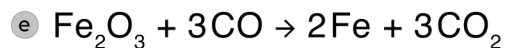
$$\text{PCl}_3 : \text{Cl}_2 = 1:1$$

$$\text{PCl}_3 : \text{PCl}_5 = 1:1$$



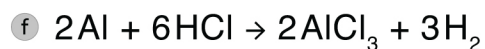
$$\text{NH}_3 : \text{N}_2 = 2:1$$

$$\text{H}_2\text{O} : \text{O}_2 = 2:1$$



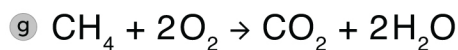
$$\text{CO} : \text{CO}_2 = 1:1$$

$$\text{Fe} : \text{CO} = 2:3$$



$$\text{Al} : \text{AlCl}_3 = 1:1$$

$$\text{HCl} : \text{H}_2 = 2:1$$



$$\text{CH}_4 : \text{O}_2 = 1:2$$

$$\text{O}_2 : \text{H}_2\text{O} = 1:1$$



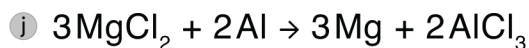
$$\text{Fe} : \text{Fe}_2\text{O}_3 = 2:1$$

$$\text{O}_2 : \text{Fe}_2\text{O}_3 = 3:2$$



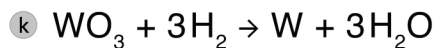
$$\text{Mg} : \text{Mg}_3\text{P}_2 = 3:1$$

$$\text{P}_4 : \text{Mg}_3\text{P}_2 = 1:2$$



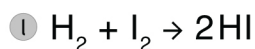
$$\text{MgCl}_2 : \text{Al} = 3:2$$

$$\text{Al} : \text{AlCl}_3 = 1:1$$



$$\text{WO}_3 : \text{W} = 1:1$$

$$\text{H}_2 : \text{H}_2\text{O} = 1:1$$



$$\text{H}_2 : \text{HI} = 1:2$$

$$\text{I}_2 : \text{HI} = 1:2$$