



BALANCE THE GIVEN CHEMICAL EQUATIONS

Worksheet - 5

- $10 \text{ C}_2\text{H}_6\text{O} + \text{ ____ } \text{ O}_2 = 20 \text{ CO}_2 + \text{ ____ } \text{ H}_2\text{O}$
- $\text{ COCl}_2 + \text{ H}_2\text{O} = \text{ CO}_2 + \text{ ____ } \text{ HCl}$
- $2 \text{ H}_2 + \text{ O}_2 = \text{ ____ } \text{ H}_2\text{O}$
- $\text{ ____ } \text{ CO} + \text{ O}_2 = 2 \text{ CO}_2$
- $\text{ C}_2\text{H}_6\text{O} + \text{ ____ } \text{ O}_2 = 2 \text{ CO}_2 + 3 \text{ H}_2\text{O}$
- $\text{ K}_2\text{S} + 2 \text{ HBr} = \text{ ____ } \text{ KBr} + \text{ H}_2\text{S}$
- $\text{ C}_6\text{H}_6\text{O} + \text{ ____ } \text{ O}_2 = 3 \text{ H}_2\text{O} + \text{ ____ } \text{ CO}_2$
- $2 \text{ NaF} + \text{ Br}_2 = \text{ ____ } \text{ NaBr} + \text{ F}_2$
- $\text{ CH}_4 + \text{ ____ } \text{ O}_2 = \text{ CO}_2 + 2 \text{ H}_2\text{O}$
- $\text{ SeCl}_6 + \text{ O}_2 = \text{ SeO}_2 + \text{ ____ } \text{ Cl}_2$
- $2 \text{ CH}_3\text{CH}_3 + \text{ ____ } \text{ O}_2 = 4 \text{ CO}_2 + \text{ ____ } \text{ H}_2\text{O}$
- $\text{ ____ } \text{ Li(s)} + \text{ N}_2\text{(g)} = \text{ ____ } \text{ Li}_3\text{N(s)}$
- $2 \text{ H}_3\text{PO}_4 + \text{ ____ } \text{ Zn(OH)}_2 = \text{ Zn}_3\text{(PO}_4)_2 + \text{ ____ } \text{ H}_2\text{O}$
- $2 \text{ C}_8\text{H}_{18} + \text{ ____ } \text{ O}_2 = 16 \text{ CO}_2 + 18 \text{ H}_2\text{O}$
- $2 \text{ Al} + \text{ ____ } \text{ Br}_2 = \text{ Al}_2\text{Br}_6$
- $\text{ ____ } \text{ C}_8\text{H}_{18} + 25 \text{ O}_2 = \text{ ____ } \text{ CO}_2 + 18 \text{ H}_2\text{O}$
- $\text{ ____ } \text{ Ag} + \text{ S}_8 = 8 \text{ Ag}_2\text{S}$
- $2 \text{ C} + \text{ ____ } \text{ H}_2\text{O} = \text{ CH}_4 + \text{ CO}_2$
- $\text{ CH}_4 + \text{ ____ } \text{ O}_2 = \text{ CO}_2 + 2 \text{ H}_2\text{O}$
- $\text{ CrCl}_3 + \text{ ____ } \text{ NaOH} = \text{ Cr(OH)}_3 + 3 \text{ NaCl}$



ANSWERS

1. $10 \text{ C}_2\text{H}_6\text{O} + 15 \text{ O}_2 = 20 \text{ CO}_2 + 3 \text{ H}_2\text{O}$
2. $\text{COCl}_2 + \text{H}_2\text{O} = \text{CO}_2 + 2 \text{ HCl}$
3. $2 \text{ H}_2 + \text{O}_2 = 2 \text{ H}_2\text{O}$
4. $2 \text{ CO} + \text{O}_2 = 2 \text{ CO}_2$
5. $\text{C}_2\text{H}_6\text{O} + 3 \text{ O}_2 = 2 \text{ CO}_2 + 3 \text{ H}_2\text{O}$
6. $\text{K}_2\text{S} + 2 \text{ HBr} = 2 \text{ KBr} + \text{H}_2\text{S}$
7. $\text{C}_6\text{H}_6\text{O} + 7 \text{ O}_2 = 3 \text{ H}_2\text{O} + 6 \text{ CO}_2$
8. $2 \text{ NaF} + \text{Br}_2 = 2 \text{ NaBr} + \text{F}_2$
9. $\text{CH}_4 + 2 \text{ O}_2 = \text{CO}_2 + 2 \text{ H}_2\text{O}$
10. $\text{SeCl}_6 + \text{O}_2 = \text{SeO}_2 + 3 \text{ Cl}_2$
11. $2 \text{ CH}_3\text{CH}_3 + 7 \text{ O}_2 = 4 \text{ CO}_2 + 6 \text{ H}_2\text{O}$
12. $6 \text{ Li(s)} + \text{N}_2\text{(g)} = 2 \text{ Li}_3\text{N(s)}$
13. $2 \text{ H}_3\text{PO}_4 + 3 \text{ Zn(OH)}_2 = \text{Zn}_3\text{(PO}_4)_2 + 6 \text{ H}_2\text{O}$
14. $2 \text{ C}_8\text{H}_{18} + 25 \text{ O}_2 = 16 \text{ CO}_2 + 18 \text{ H}_2\text{O}$
15. $2 \text{ Al} + 3 \text{ Br}_2 = \text{Al}_2\text{Br}_6$
16. $2 \text{ C}_8\text{H}_{18} + 25 \text{ O}_2 = 16 \text{ CO}_2 + 18 \text{ H}_2\text{O}$
17. $16 \text{ Ag} + \text{S}_8 = 8 \text{ Ag}_2\text{S}$
18. $2 \text{ C} + 2 \text{ H}_2\text{O} = \text{CH}_4 + \text{CO}_2$
19. $\text{CH}_4 + 2 \text{ O}_2 = \text{CO}_2 + 2 \text{ H}_2\text{O}$
20. $\text{CrCl}_3 + 3 \text{ NaOH} = \text{Cr(OH)}_3 + 3 \text{ NaCl}$



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