

H2O

6 P

BALANCE THE GIVEN CHEMICAL EQUATIONS Worksheet - 43

1. 10 $C_5H_6O + _$ HNO ₃ = 39 $H_2O + _ C_2O + 9 N_2$
2. 3 NaNO3 + HCl + Au = HAuCl4 + NO2 + 3 NaCl + 3
3. 2 Al + Pb(NO ₃) ₂ = 2 Al(NO ₃) ₃ + Pb
4 Na + 3 H ₂ O = NaOH + H ₃
5. 2 I_2 + $S_2O_3^{\{2-\}}$ = $I^{\{-\}}$ + S_4O_6
6. $3 P_2S_3 + \ HIO_3 + 9 H_2O = \ H_3PO_4 + 9 S + 5 HI$
7 (NH ₄) ₂ Cr ₂ O ₃ = 5 Cr ₂ O ₃ + N ₂ + 2 H ₂₀
8. $2 \text{ Ca}_5\text{F}(\text{PO}_4)_3 + 9 \text{ SiO}_2 + _\ \text{C} = 9 \text{ CaSiO}_3 + \text{CaF}_2 + _\ \text{CO} +$
9N ₂ H ₄ + N ₂ O ₄ =N ₂ + 4 H ₂ O
10 $H_2(g) + N_2(g) = NH_3(g)$
11. $C_6H_{12}O_6 + \O_2 = \CO_2 + 6 H_2O$
12 $H_2O_2 = H_2O + O_2$
13. 6 ClO ₂ + H ₂ O = HClO ₃ + HCl
14. 2 C_2H_6 + O_2 = 4 CO_2 + H_2O
15 C ₂ H ₄ O ₂ + Ba(OH) ₂ = H ₂ O + (C ₂ H ₃ O ₂) ₂ Ba
16 HCl + MGO = MGCl ₂ + H ₂ O
17. 2 NBr ₃ + NaOH = N ₂ + NaBr + 3 HOBr
18 FeCl ₃ + 3 Na ₂ CO ₃ = Fe ₂ (CO ₃) ₃ + NaCl
19. 2 Al + HCl = AlCl + H ₂
20 C ₄ H ₆ + 11 O ₂ = CO ₂ + 6 H ₂ O



ANSWERS

- 1. 10 C₅H₆O + 18 HNO₃ = 39 H₂O + 25 C₂O + 9 N₂
- 2. 3 NaNO3 + 7 HCl + Au = HAuCl4 + 3 NO2 + 3 NaCl + 3 H2O
- 3. 2 Al + 3 Pb(NO₃)₂ = 2 Al(NO₃)₃ + 3 Pb
- 4. 3 Na + 3 H₂O = 3 NaOH + H₃
- 5. $2 I_2 + 2 S_2 O_3^{\{2-\}} = 4 I^{\{-\}} + S_4 O_6$
- 6. $3 P_2S_3 + 5 HIO_3 + 9 H_2O = 6 H_3PO_4 + 9 S + 5 HI$
- 7. 5 $(NH_4)_2Cr_2O_3 = 5 Cr_2O_3 + 5 N_2 + 2 H_{20}$
- 8. $2 \text{ Ca}_5\text{F}(\text{PO}_4)_3 + 9 \text{ SiO}_2 + 15 \text{ C} = 9 \text{ CaSiO}_3 + \text{CaF}_2 + 15 \text{ CO} + 6 \text{ P}$
- 9. $2 N_2H_4 + N_2O_4 = 3 N_2 + 4 H_2O$
- 10. $3 H_2(g) + N_2(g) = 2 NH_3(g)$
- 11. $C_6H_{12}O_6 + 6 O_2 = 6 CO_2 + 6 H_2O$
- 12. 2 H₂O₂ = 2 H₂O + O₂
- 13. 6 ClO₂ + 3 H₂O = 5 HClO₃ + HCl
- 14. 2 C₂H₆ + 7 O₂ = 4 CO₂ + 6 H₂O
- 15. 2 $C_2H_4O_2$ + Ba(OH)₂ = 2 H_2O + ($C_2H_3O_2$)₂Ba
- 16. 2 HCl + MGO = $MGCl_2 + H_2O$
- 17. 2 NBr₃ + 3 NaOH = N₂ + 3 NaBr + 3 HOBr
- 18. 2 FeCl₃ + 3 Na₂CO₃ = Fe₂(CO₃)₃ + 6 NaCl
- 19. 2 Al + 2 HCl = 2 AlCl + H_2
- 20. 2 C₄H₆ + 11 O₂ = 8 CO₂ + 6 H₂O



Thanks for downloading our free printable.

We have thousands of such resources in our blog for teachers and parents.

You can download them for free here!

Free Printables from Go Science Girls – Fair Usage Policy

You can ...

- Download and save this free printable from gosciencegirls.com to your computer.
- Print this file and use it as many times as you want in your home, classrooms or for your library.
- Feel free to link our blog post where your visitors can find and download this printable for free.
- When you post online about this resource please give due credit to gosciencegirls.com

You Cannot ...

- Access this file or download it from other sites apart from gosciencegirls.com
- Other websites cannot link to this pdf directly. If required, they are welcomed to link to the blog post from where this pdf can be downloaded.
- The ownership of this pdf rests with GoScienceGirls. No one can claim ownership for this file.
- You are not allowed to sell printed copies of this file to others.
- You are not allowed to store this file electronically and redistribute it (only personal use is allowed).

Further Questions?

Feel free to email us at contactgosciencegirls@gmail.com for any further questions and suggestions. We would love to hear from you. We promise to respond back as soon as we can.