

Chemistry
Balancing Equations

Name Answer Key Date _____ Per _____

1. 2 Fe + 3 H₂SO₄ → 1 Fe₂(SO₄)₃ + 3 H₂
2. 2 C₂H₆ + 7 O₂ → 6 H₂O + 4 CO₂
3. 3 KOH + 1 H₃PO₄ → 1 K₃PO₄ + 3 H₂O
4. 1 SnO₂ + 2 H₂ → 1 Sn + 2 H₂O
5. 4 NH₃ + 5 O₂ → 4 NO + 6 H₂O
6. 2 KNO₃ + 1 H₂CO₃ → 1 K₂CO₃ + 2 HNO₃
7. 1 B₂Br₆ + 6 HNO₃ → 2 B(NO₃)₃ + 6 HBr
8. 2 BF₃ + 3 Li₂SO₃ → 1 B₂(SO₃)₃ + 6 LiF
9. 4 (NH₄)₃PO₄ + 3 Pb(NO₃)₄ → 1 Pb₃(PO₄)₄ + 12 NH₄NO₃
10. 1 SeCl₆ + 1 O₂ → 1 SeO₂ + 3 Cl₂
11. 1 CH₄ + 2 O₂ → 1 CO₂ + 2 H₂O
12. 1 Na⁺ + 1 Cl⁻ → 1 NaCl
13. 4 Al + 3 O₂ → 2 Al₂O₃
14. 1 N₂ + 3 H₂ → 2 NH₃
15. 8 CO(g) + 17 H₂(g) → 1 C₈H₁₈(l) + 8 H₂O
16. 1 FeO₃(s) + 3 CO(g) → 1 Fe(l) + 3 CO₂(g)
17. 2 H₂SO₄ + 1 Pb(OH)₄ → 1 Pb(SO₄)₂ + 4 H₂O
18. 2 Al + 6 HCl → 2 AlCl₃ + 3 H₂
19. 1 Ca₃(PO₄)₂ + 2 H₂SO₄ → 2 CaSO₄ + 1 Ca(H₂PO₄)₂
20. 1 H₃PO₄ + 5 HCl → 1 PCl₅ + 4 H₂O