

Sc09

Balancing Equations

Name KEYBlock

Balance the following equations (use pencil)

1. 2 S + 3 O₂ → 2 SO₃
2. 2 HCl + 1 MgO → 1 MgCl₂ + 1 H₂O
3. 2 Al + 6 HCl → 3 H₂ + 2 AlCl₃
4. 2 KCl + 3 O₂ → 2 KClO₃
5. 2 NH₃ + 3 Mg(OH)₂ → 1 Mg₃N₂ + 6 H₂O
6. 3 CH₄ + 4 Al(OH)₃ → 1 Al₄C₃ + 12 H₂O
7. 1 Zn + 2 HCl → 1 ZnCl₂ + 1 H₂
8. 4 Fe + 3 O₂ → 2 Fe₂O₃
9. 1 H₂SO₄ + 2 KOH → 1 K₂SO₄ + 2 H₂O
10. 2 CuS + 3 O₂ → 2 CuO + 2 SO₂
11. 1 C₂H₅OH + 3 O₂ → 2 CO₂ + 3 H₂O
12. 1 Ba(NO₃)₂ + 1 Na₂SO₄ → 1 BaSO₄ + 2 NaNO₃
13. 2 AgNO₃ + 1 BaCl₂ → 1 Ba(NO₃)₂ + 2 AgCl
14. 1 CaCl₂ + 1 Na₂CO₃ → 1 CaCO₃ + 2 NaCl
15. 1 C₃H₈ + 5 O₂ → 3 CO₂ + 4 H₂O