

BALANCING CHEMICAL EQUATIONS WORKSHEET

(REMEMBER PRACTICE MAKES PERFECT)

- _____ Zn (s) + _____ AgNO₃ (aq) → _____ Zn(NO₃)₂ (aq) + _____ Ag (s)
- _____ N₂ (g) + _____ H₂ (g) → _____ NH₃ (g)
- _____ NaCl (aq) + _____ AgC₂H₃O₂ (aq) → _____ NaC₂H₃O₂ (aq) + _____ AgCl (s)
- _____ Mg(OH)₂ (aq) + _____ H₃PO₄ (aq) → _____ H₂O (l) + _____ Mg₃(PO₄)₂ (aq)
- _____ HNO₃ (aq) + _____ Ni (s) → _____ Ni(NO₃)₂ (aq) + _____ H₂ (g)
- _____ Ba(HCO₃)₂ (s) → _____ BaCO₃ (s) + _____ H₂O (g) + _____ CO₂ (g)
- _____ BaCl₂ (aq) + _____ Na₂SO₄ (aq) → _____ NaCl (aq) + _____ BaSO₄ (s)
- _____ Al₂(CO₃)₃ (s) → _____ Al₂O₃ (s) + _____ CO₂ (g)
- _____ Ca (s) + _____ H₂O (l) → _____ Ca(OH)₂ (aq) + _____ H₂ (g)
- _____ LiHCO₃ (s) → _____ Li₂CO₃ (s) + _____ H₂O (g) + _____ CO₂ (g)
- _____ N₂ (g) + _____ O₂ (g) → _____ N₂O₅ (g)
- _____ MgBr₂ (aq) + _____ KOH (aq) → _____ KBr (aq) + _____ Mg(OH)₂ (s)
- _____ Mn (s) + _____ CuCl (aq) → _____ Cu (s) + _____ MnCl₂ (s)
- _____ Zn (s) + _____ S₈ (s) → _____ ZnS (s)
- _____ NaOH (aq) + _____ H₂SO₄ (aq) → _____ H₂O (l) + _____ Na₂SO₄ (aq)
- _____ K (s) + _____ H₂O (l) → _____ KOH (aq) + _____ H₂ (g)
- _____ C₅H₁₂ (l) + _____ O₂ (g) → _____ H₂O (g) + _____ CO₂ (g)
- _____ KOH (aq) + _____ H₂CO₃ (aq) → _____ H₂O (l) + _____ K₂CO₃ (aq)
- _____ C₄H₈O₂ (l) + _____ O₂ (g) → _____ H₂O (g) + _____ CO₂ (g)
- _____ Al (s) + _____ S₈ (s) → _____ Al₂S₃ (s)

TYPES OF REACTION

What are the 5 different types of reactions and write the chemical equation given in class?

- _____
- _____
- _____
- _____
- _____

For the 20 reactions above write which of the 5 types of reaction it is:

- | | | |
|----------|-----------|-----------|
| 1. _____ | 8. _____ | 15. _____ |
| 2. _____ | 9. _____ | 16. _____ |
| 3. _____ | 10. _____ | 17. _____ |
| 4. _____ | 11. _____ | 18. _____ |
| 5. _____ | 12. _____ | 19. _____ |
| 6. _____ | 13. _____ | 20. _____ |
| 7. _____ | 14. _____ | |