

Types of Chemical Reaction Worksheet

Name: _____

Balance the reactions and indicate which types of chemical reaction are being represented:

- a) 2 NaBr + 1 Ca(OH)₂ → 1 CaBr₂ + 2 NaOH Reaction Type : DR
- b) 2 NH₃ + 1 H₂SO₄ → 1 (NH₄)₂SO₄ Reaction Type : S
- c) 4 C₅H₉O + 27 O₂ → 20 CO₂ + 18 H₂O Reaction Type : C
- d) 3 Pb + 2 H₃PO₄ → 3 H₂ + 1 Pb₃(PO₄)₂ Reaction Type : SR
- e) 1 Li₃N + 3 NH₄NO₃ → 3 LiNO₃ + 1 (NH₄)₃N Reaction Type : DR
- f) 3 HBr + 1 Al(OH)₃ → 3 H₂O + 1 AlBr₃ Reaction Type : N
- g) 1 Na₃PO₄ + 3 KOH → 3 NaOH + 1 K₃PO₄ Reaction Type DR
- h) 1 MgCl₂ + 1 Li₂CO₃ → 1 MgCO₃ + 2 LiCl Reaction Type DR
- i) 1 C₆H₁₂ + 9 O₂ → 6 CO₂ + 6 H₂O Reaction Type C
- j) 1 Pb + 1 FeSO₄ → 1 PbSO₄ + 1 Fe Reaction Type SR
- k) 1 CaCO₃ → 1 CaO + 1 CO₂ Reaction Type D
- l) 1 P₄ + 3 O₂ → 2 P₂O₃ Reaction Type S
- m) 2 RbNO₃ + 1 BeF₂ → 1 Be(NO₃)₂ + 2 RbF Reaction Type DR
- n) 2 AgNO₃ + 1 Cu → 1 Cu(NO₃)₂ + 2 Ag Reaction Type SR
- o) 1 C₃H₆O + 4 O₂ → 3 CO₂ + 3 H₂O Reaction Type C
- p) 2 C₅H₅ + 1 Fe → 1 Fe(C₅H₅)₂ Reaction Type S
- q) 1 SeCl₆ + 1 O₂ → 1 SeO₂ + 3 Cl₂ Reaction Type SR
- r) 2 MgI₂ + 1 Mn(SO₃)₂ → 2 MgSO₃ + 1 MnI₄ Reaction Type DR
- s) 1 O₃ → 1 O + 1 O₂ Reaction Type D
- t) 2 NO₂ → 2 O₂ + 1 N₂ Reaction Type D