Home Learning May 11th – 15th, 2020

Chemical Reactions

**Recall what a Chemical Reaction is:**

* Change that takes place when two or more substances (reactants) change into one or more new substances (products)
* Based on what occurs in the reaction and what chemicals are involved there are various classifications of chemical reactions.

There are 5 different types of chemical reactions that we are going to study:

1. Combustion
2. Synthesis
3. Decomposition
4. Single Replacement
5. Double Replacement

**Combustion:**The reaction of a substance with oxygen to produce oxides and energyA screenshot of a cell phone

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1) NaBr +  Ca(OH)2 à  CaBr2 + NaOH

Type of reaction:

2)  NH3+ H2SO4 à(NH4)2SO4

Type of reaction:

3)  Pb +  H3PO4 à  H2 + Pb3(PO4)2

Type of reaction:

4)   KClO3  →   KCl  +   O2

Type of reaction :

5) KBr + F2 → KF + Br2

 Type of reaction:

6)  Na3PO4 + KOH à  NaOH + K3PO4

Type of reaction:

7)  MgCl2 + Li2CO3 à MgCO3 +LiCl

Type of reaction:

8)   CaCO3 à CaO + CO2

Type of reaction:

9)  C5H5 + Fe à Fe(C5H5)2

 Type of reaction:

10)  SeCl6 + O2 à SeO2 + Cl2

Type of reaction:

11)  C3H6O + O2 à  CO2 + H2O

Type of reaction:

12)   NO2 à  O2 + N2

Type of reaction :

13) AlCl3 + Cs à  CsCl +  Al

Type of reaction: