

SCH3U: Chemistry, Grade 11, University Level

Unit 2: Chemical Reactions

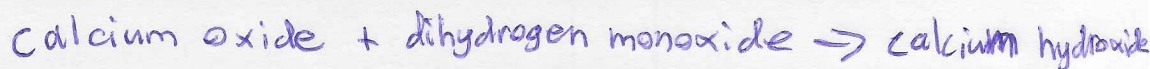
Activity 2: Matter and Chemical Reactions

Balancing Equations Worksheet

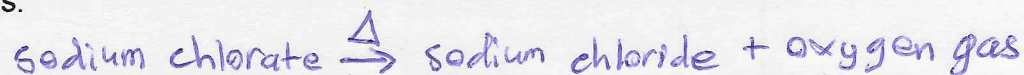
Note – sections will expand as necessary.

Section A - Given the description of the reaction, write the word equation.

1. Calcium hydroxide is produced when calcium oxide is mixed with water.



2. The heating of sodium chlorate produces sodium chloride and oxygen gas.



3. Zinc reacts with cupric sulphate to produce zinc sulphate and copper



4. Sodium nitrate reacts with ammonium chloride to produce sodium chloride and ammonium nitrate.

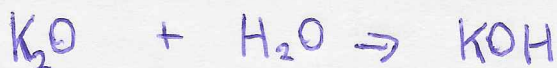


5. Magnesium carbonate decomposes to produce magnesium oxide and carbon dioxide



Section B - Given the word equation, write the skeletal equation.

6. potassium oxide + water \rightarrow potassium hydroxide



7. iron + copper (II) sulphate \rightarrow copper + iron (II) sulphate



8. lithium carbonate + barium chloride \rightarrow lithium chloride + barium carbonate



9. calcium oxide \rightarrow calcium + oxygen gas



10. calcium sulphate + lithium fluoride \rightarrow calcium fluoride + lithium sulphate



Section C- Balance the following skeletal equations:

