

Lab Portfolio

Unit: Atomic Structure and Bonding

1. Spectra of Atomic Hydrogen
2. The Variation of Atomic Properties
3. Polarity of Molecules
4. Testing Liquids for Polarity
5. Recognizing Bond Types – Ionic, Molecular and Network Structures

Unit: Organic Chemistry

6. Melting and Boiling Points of Alkanes
7. Preparation and Reactions of Acetylene (Ethyne)
8. Reactions of Hydrocarbons
9. Reactions of the Hydroxyl Group
10. Preparation of Esters
11. Fullerenes Research Assignment
12. Flowchart of Alkanes and Alkenes

Unit: Thermodynamics

13. Exothermic and Endothermic Reactions
14. Calorimeter Research Assignment

Unit: Chemical Kinetics

15. Rate of Reaction Between Magnesium and Hydrochloric Acid