GES iGCSE 1 CHEMISTRY

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| TOPIC: Chemistry Practical |

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| Theme: Explain how Chemists use the scientific method to carry out investigations. | Level: Year 10 |
| Objectives: Appreciate the importance of investigations to understand the relationships between elements and molecules. | |

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| Focussing Questions | Key Words Practical | |
| 1. **Practical**  * How do chemists work? * Scientific method * Planning an experiment * The experiments you will do * Example of an experiment * Comparing kitchen cleaners * Comparing gases in the lab * Collecting the gases you have prepared * Tests for gases * Testing for cations * Testing a salt * Flame tests * Ammonium * Copper * Iron * Aluminium * Zinc * Calcium * Chromium * Testing for anions * Halide ions * Sulphate ions * Nitrate ions * Carbonate ions   **Assessment** Textbook questions  Preparation of experiments  Practical techniques  End of unit test constructed from past paper questions | Independent variable  Dependent variable  Scientific method  Ammonia  Chlorine  Hydrogen  Cations  Flame test  Anions  Precipitate  Halide  Sulphate  Sulphite  Nitrate  Carbonate | Titration  Collecting gases  Flame test for cations  Tests for anions |

**Textbooks and worksheets**