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 questionsPreparation of experimentsPractical techniquesEnd of unit test constructed from past paper questions | Independent variableDependent variableScientific methodAmmoniaChlorine HydrogenCationsFlame testAnionsPrecipitateHalideSulphateSulphiteNitrateCarbonate | TitrationCollecting gasesFlame test for cationsTests for anions |

**Textbooks and worksheets**