1. Topic 1.2 The obtaining and use of experimental data for deriving empirical formulas from reactions involving mass changes

|  |
| --- |
|  |
|  |

1. Topic 1.3 Use of the experimental method of titration to calculate the concentration of a solution by reference to a standard solution

|  |
| --- |
|  |
|  |

1. Topic 1.3 Obtaining and the use of experimental values to calculate the molar mass of a gas from the ideal gas law equation

|  |
| --- |
|  |
|  |

1. Topic 5.1 A calorimetry experiment for an enthalpy of reaction should be covered and the results evaluated

|  |
| --- |
|  |
|  |

1. Topic 8.2 Candidates should have experience of acid-base titrations with different indicators.

|  |
| --- |
|  |
|  |

1. Topic 8.3 Students should be familiar with the use of a pH meter and universal indicator.

|  |
| --- |
|  |
|  |

1. Topic 9.2 Performance of laboratory experiments involving a typical voltaic cell using two metal/metal-ion half-cells.

|  |
| --- |
|  |
|  |

1. Topic 10.1 Construction of 3D models (real of virtual) of organic models.

|  |
| --- |
|  |
|  |

1. Topic 15.1(19.1) Perform lab experiments which could include single replacement reactions in aqueous solutions

|  |
| --- |
|  |
|  |