

## Chemistry Paper 2 (H)

| Do you know your Chemistry?                 |                                          | R | A | G |
|---------------------------------------------|------------------------------------------|---|---|---|
| 3.Rates, equilibrium, and organic chemistry |                                          |   |   |   |
| C8 Rates and equilibrium                    |                                          |   |   |   |
| C8.1                                        | Rate of reaction                         |   |   |   |
| C8.2                                        | Collision theory and surface area        |   |   |   |
| C8.3                                        | The effect of temperature                |   |   |   |
| C8.4                                        | The effect of concentration and pressure |   |   |   |
| C8.5                                        | The effect of catalysts                  |   |   |   |
| C8.6                                        | Reversible reactions                     |   |   |   |
| C8.7                                        | Energy and reversible reactions          |   |   |   |
| C8.8                                        | Dynamic equilibrium                      |   |   |   |
| C8.9                                        | Altering conditions (H-tier)             |   |   |   |
|                                             | TOTAL                                    |   |   |   |

| Do you know your Chemistry?                 |                                | R | A | G |
|---------------------------------------------|--------------------------------|---|---|---|
| 3.Rates, equilibrium, and organic chemistry |                                |   |   |   |
| C9 Crude oil and fuels                      |                                |   |   |   |
| C9.1                                        | Hydrocarbons                   |   |   |   |
| C9.2                                        | Fractional distillation of oil |   |   |   |
| C9.3                                        | Burning hydrocarbon fuel       |   |   |   |
| C9.4                                        | Cracking hydrocarbons          |   |   |   |
|                                             | TOTAL                          |   |   |   |

| Do you know your Chemistry?                 |                                                            | R | A | G |
|---------------------------------------------|------------------------------------------------------------|---|---|---|
| 3.Rates, equilibrium, and organic chemistry |                                                            |   |   |   |
| C10 Organic reactions                       |                                                            |   |   |   |
|                                             | <i>This topic is only for students taking Sep Sciences</i> |   |   |   |
|                                             | TOTAL                                                      |   |   |   |

| Do you know your Chemistry?                 |                                                            | R | A | G |
|---------------------------------------------|------------------------------------------------------------|---|---|---|
| 3.Rates, equilibrium, and organic chemistry |                                                            |   |   |   |
| C11 Polymers                                |                                                            |   |   |   |
|                                             | <i>This topic is only for students taking Sep Sciences</i> |   |   |   |
|                                             | TOTAL                                                      |   |   |   |

|                                       |   |   |   |
|---------------------------------------|---|---|---|
| Do you know your Chemistry?           |   |   |   |
| 4 Analysis and the Earth's resources. | R | A | G |

|       |                              |  |  |  |
|-------|------------------------------|--|--|--|
|       | <b>C12 Chemical analysis</b> |  |  |  |
| C12.1 | Pure substances and mixtures |  |  |  |
| C12.2 | Analysing chromatograms      |  |  |  |
| C12.3 | Testing for gases            |  |  |  |
|       | TOTAL                        |  |  |  |

|       |                                              |   |   |   |
|-------|----------------------------------------------|---|---|---|
|       | <b>Do you know your Chemistry?</b>           |   |   |   |
|       | <b>4 Analysis and the Earth's resources.</b> | R | A | G |
|       | <b>C13 The Earth's atmosphere</b>            |   |   |   |
| C13.1 | History of our atmosphere                    |   |   |   |
| C13.2 | Our evolving atmosphere                      |   |   |   |
| C13.3 | Greenhouse gases                             |   |   |   |
| C13.4 | Global climate change                        |   |   |   |
| C13.5 | Atmospheric pollutants                       |   |   |   |
|       | TOTAL                                        |   |   |   |

|              |                                                    |   |   |   |
|--------------|----------------------------------------------------|---|---|---|
|              | <b>Do you know your Chemistry?</b>                 |   |   |   |
|              | <b>4 Analysis and the Earth's resources.</b>       | R | A | G |
|              | <b>C14 The Earth's resources</b>                   |   |   |   |
| C14.1        | Finite and renewable resources                     |   |   |   |
| C14.2        | Water safe to drink                                |   |   |   |
| C14.3        | Treating waste water                               |   |   |   |
| <b>C14.4</b> | <b><i>Extracting metals from ores (H-tier)</i></b> |   |   |   |
| C14.5        | Life cycle assessments                             |   |   |   |
| C14.6        | Reduce, reuse and recycle                          |   |   |   |
|              | TOTAL                                              |   |   |   |

|  |                                                            |   |   |   |
|--|------------------------------------------------------------|---|---|---|
|  | <b>Do you know your Chemistry?</b>                         |   |   |   |
|  | <b>4 Analysis and the Earth's resources.</b>               | R | A | G |
|  | <b>C15 Using our resources</b>                             |   |   |   |
|  | <i>This topic is only for students taking Sep Sciences</i> |   |   |   |
|  | TOTAL                                                      |   |   |   |