

## Chemistry Paper 2 (F)

| Do you know your Chemistry?                 |                                          |   |   |   |
|---------------------------------------------|------------------------------------------|---|---|---|
| 3.Rates, equilibrium, and organic chemistry |                                          | R | A | G |
| 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                      |   |   |   |
|                                             |                                          |   |   |   |
| TOTAL                                       |                                          |   |   |   |

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

| Do you know your Chemistry?                                |  |   |   |   |
|------------------------------------------------------------|--|---|---|---|
| 3.Rates, equilibrium, and organic chemistry                |  | R | A | G |
| C11 Polymers                                               |  |   |   |   |
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| 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                         |  |  |  |  |   |   |   |
| 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>                             |  |  |  |  |   |   |   |
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