

**GCSE**

**Science: (Modular)**  
**Double Award and Chemistry**

**Module 06**

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**Earth Materials : Foundation Tier**

| Question No. | KEY   |
|--------------|---|
| One          | 1 – atmosphere<br>2 – crust<br>3 – mantle<br>4 – core   |
| Two          | 1 – calcium carbonate<br>2 – carbon dioxide<br>3 – calcium oxide<br>4 – calcium hydroxide   |
| Three        | 1 – tilted<br>2 – turned upside down<br>3 – faulted<br>4 – folded   |
| Four         | 1 – hydrocarbons are heated<br>2 – hydrocarbons vaporise<br>3 – thermal decomposition occurs<br>4 – hydrocarbons with small molecules |
| Five         | 1 – thermal decomposition<br>2 – burning<br>3 – distillation<br>4 – condensation  |
| Six          | limestone and substance M react when they are heated together<br>substance M is clay  |
| Seven        | petrol ignites more easily than diesel oil<br>the boiling point of diesel oil is higher than the boiling point of petrol              |
| Eight        | 8.1 – D, 8.2 – C, 8.3 – B, 8.4 – B  |
| Nine         | 9.1 – A, 9.2 – A, 9.3 – B, 9.4 – D  |
| Ten          | 10.1 – A, 10.2 – D, 10.3 – B, 10.4 – C  |

**Earth Materials : Higher Tier**

| Question No. | KEY  |
|--------------|--|
| One          | 1 – thermal decomposition<br>2 – burning<br>3 – distillation<br>4 – condensation   |
| Two          | 1 – L<br>2 – J<br>3 – K<br>4 – M   |
| Three        | petrol ignites more easily than diesel oil<br>the boiling point of diesel oil is higher than the boiling point of petrol |
| Four         | they are found parallel to oceanic ridges<br>they are recorded by iron-rich minerals in the rocks                        |
| Five         | 5.1 – D, 5.2 – C, 5.3 – B, 5.4 – B   |
| Six          | 6.1 – A, 6.2 – A, 6.3 – B, 6.4 – D   |
| Seven        | 7.1 – A, 7.2 – D, 7.3 – B, 7.4 – C   |
| Eight        | 8.1 – A, 8.2 – C, 8.3 – C, 8.4 – B   |
| Nine         | 9.1 – D, 9.2 – D, 9.3 – A, 9.4 – A   |
| Ten          | 10.1 – C, 10.2 – D, 10.3 – C, 10.4 – B   |