

GCSE

Science: (Modular)
Double Award and Physics

Module 09

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Energy : Foundation Tier

| Question No. | KEY |
|--------------|--|
| One | 1 – electric lamp 2 – electric toothbrush 3 – radio 4 – electric fire |
| Two | 1 – waves 2 – wind 3 – hydroelectric 4 – geothermal |
| Three | 1 – tidal barrage 2 – wind farm 3 – nuclear 4 – coal-fired |
| Four | 1 – paint the surface of the object black 2 – decrease the temperature of the object 3 – insulate the object 4 – make the surface of the object shiny |
| Five | 1 – walls 2 – roof 3 – floors 4 – windows |
| Six | geothermal power stations nuclear power stations |
| Seven | P Q |
| Eight | 8.1 – C, 8.2 – A, 8.3 – D, 8.4 – C |
| Nine | 9.1 – B, 9.2 – A, 9.3 – B, 9.4 – C |
| Ten | 10.1 – B, 10.2 – A, 10.3 – C, 10.4 – B |

Energy : Higher Tier

| Question No. | KEY |
|--------------|---|
| One | 1 – walls 2 – roof 3 – floors 4 – windows |
| Two | 1 – liquid at the bottom becomes warmer 2 – liquid expands as it gets warmer 3 – density of liquid decreases 4 – warmer liquid rises |
| Three | P Q |
| Four | nuclear waste is radioactive the cost of decommissioning nuclear power stations is very high |
| Five | 5.1 – C, 5.2 – A, 5.3 – D, 5.4 – C |
| Six | 6.1 – B, 6.2 – A, 6.3 – B, 6.4 – C |
| Seven | 7.1 – B, 7.2 – A, 7.3 – C, 7.4 – B |
| Eight | 8.1 – D, 8.2 – C, 8.3 – C, 8.4 – B |
| Nine | 9.1 – A, 9.2 – C, 9.3 – D, 9.4 – C |
| Ten | 10.1 – D, 10.2 – D, 10.3 – B, 10.4 – D |