

## Mark scheme

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## GCSE

## Science: (Modular) Double Award and Physics

## Module 09

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## Energy: Foundation Tier

| Question No. | KEY |
| :---: | :---: |
| One | $\begin{aligned} & \hline 1 \text { - light } \\ & 2 \text { - movement } \\ & 3 \text { - sound } \\ & 4 \text { - heat } \\ & \hline \end{aligned}$ |
| Two | $\begin{aligned} & \hline 1 \text { - light } \\ & 2 \text { - movement } \\ & 3 \text { - heat } \\ & 4 \text { - sound } \\ & \hline \end{aligned}$ |
| Three | $\begin{aligned} & \hline 1 \text { - uranium } \\ & 2 \text { - steam } \\ & 3 \text { - movement (kinetic) } \\ & 4 \text { - electricity } \\ & \hline \end{aligned}$ |
| Four | 1 - convection <br> 2 - evaporation <br> 3 - conduction <br> 4 - radiation |
| Five | $\begin{aligned} & 1 \text { - turbine } \\ & 2 \text { - battery } \\ & 3 \text { - power } \\ & 4 \text { - energy } \end{aligned}$ |
| Six | $\begin{aligned} & \hline \mathrm{J} \\ & \mathrm{M} \end{aligned}$ |
| Seven | $\begin{aligned} & \hline \mathrm{P} \\ & \mathrm{~T} \\ & \hline \end{aligned}$ |
| Eight | $8.1-\mathrm{C}, 8.2-\mathrm{A}, 8.3-\mathrm{D}, 8.4-\mathrm{D}$ |
| Nine | 9.1 - A, 9.2 - A, 9.3-A, $9.4-\mathrm{A}$ |
| Ten | 10.1 - B, 10.2-A, 10.3-C, 10.4-B |

## Energy: Higher Tier

| Question No. | KEY |
| :---: | :---: |
| One | 1 - turbine <br> 2 - battery <br> 3 - power <br> 4 - energy |
| Two | 1 - electrons <br> 2 - collisions <br> 3 - ions <br> 4 - waves |
| Three | $\begin{aligned} & \hline \mathrm{P} \\ & \mathrm{~T} \end{aligned}$ |
| Four | $\begin{array}{\|l\|} \hline \mathrm{L} \\ \mathrm{M} \\ \hline \end{array}$ |
| Five | 5.1 - C, $5.2-\mathrm{A}, ~ 5.3-\mathrm{D}, ~ 5.4-\mathrm{D}$ |
| Six | 6.1 - A, $6.2-\mathrm{A}, \quad 6.3-\mathrm{A}, \quad 6.4-\mathrm{A}$ |
| Seven | $7.1-\mathrm{B}, ~ 7.2-\mathrm{A}, ~ 7.3-\mathrm{C}, ~ 7.4-\mathrm{B}$ |
| Eight | 8.1 - D, 8.2 - C, 8.3 - C, 8.4 - B |
| Nine | $9.1-\mathrm{D}, ~ 9.2-\mathrm{B}, ~ 9.3-\mathrm{C}, ~ 9.4-\mathrm{D}$ |
| Ten | 10.1 - $\mathrm{A}, \quad 10.2-\mathrm{B}, 10.3-\mathrm{B}, 10.4-\mathrm{D}$ |

