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|  | **1** | **2**  **First Roll** | **3** | **4** | **5** | **6** |
| **1**  **Second Roll** | Define the conservation of energy. | Describe the internal energy in a solid. | Describe what happens to wasted energy. | Describe what internal energy is made from. | Write the formulae for elastic potential energy. | Describe how to reduce unwanted energy transfers. |
| **2** | Describe the energy changes in a boiling kettle. | State the equation for energy efficiency. | Construct a Sankey diagram for a torch that is 90% efficient. | Describe the energy changes in an object moving upwards. | State 3 different stores of energy. | Write the equation that links energy, power and time. |
| **3** | Write the formulae for kinetic energy. | State 3 different transfers of energy. | Describe the energy changes in an object moving upwards. | Describe the internal energy in a solid. | Recall the unit for energy. | Describe the energy changes in a boiling kettle. |
| **4** | Describe how to reduce unwanted energy transfers. | Write the formulae for gravitational potential energy. | Describe the internal energy in a gas. | Define the conservation of energy. | State the equation for energy efficiency. | Construct a Sankey diagram for a torch that is 90% efficient. |
| **5** | Describe what internal energy is made from. | Describe the energy changes in an object moving upwards. | Describe what happens to wasted energy. | Write the formulae for kinetic energy. | State 3 different transfers of energy. | Recall the unit for energy. |
| **6** | State 3 different stores of energy. | State the equation for energy efficiency. | Write the formulae for elastic potential energy. | Write the equation that links energy, power and time. | Write the formulae for gravitational potential energy. | Describe the internal energy in a gas. |

