**Graphical user interface

Description automatically generated with medium confidenceEnergy Resources** (Phys)

RAG your understanding.

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|  | **Start of Topic** | **End of Topic** | **Revised** |
| **Energy Recap to help with this topic:** |  |  |  |
| P.1.1.1.b. - I can describe all the energy changes involved in an energy transfer and calculate relative changes in energy when work is done. |  |  |  |
| P.1.2.1.a. - I can state that energy can be transferred usefully, stored or dissipated, but cannot be created or destroyed, and so the total energy in a closed system does not change. |  |  |  |
| ***P.1.2.1.b (HT) - I can explain that only some of the energy in a system is usefully transferred, with the rest ‘wasted’, giving examples of how this wasted energy can be reduced.*** |  |  |  |
| P.1.2.2.a. - I can calculate efficiency by recalling and applying the equation:  efficiency = useful power output / total power input |  |  |  |
| **National and global energy resources:** |  |  |  |
| P.1.3.a - I can list the main renewable and non-renewable energy resources, and define a renewable energy resource as one that is replenished as it is used. |  |  |  |
| P.1.3.b. - I can compare ways that different energy resources are used, including uses in transport, electricity generation and heating. |  |  |  |
| P.1.3.c. - I can explain why some energy resources are more reliable than others, explaining patterns and trends in their use. |  |  |  |
| P.1.3.d. - I can evaluate the use of different energy resources, taking into account any ethical and environmental issues which may arise. |  |  |  |
| P.1.3.e. - I can justify the use of energy resources, with reference to both environmental issues and the limitations imposed by political, social, ethical or economic considerations. |  |  |  |
| P.1.3.f. - I can compare ways that different energy resources are used and distinguish between energy resources that are renewable and energy resources that are non-renewable. |  |  |  |

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| **Doddle Quizzes** | **Mark:** | **Out of:** |
| <https://www.doddlelearn.co.uk/app/teacher/launch-content/bed338da-ccb0-405e-87d1-1abe259f56fa> |  | 25 |
| <https://www.doddlelearn.co.uk/app/teacher/launch-content/8b5779e4-f274-43ee-bf5a-8f520b0951c8> |  | 25 |