**P2 Energy**

|  |  |
| --- | --- |
| Keyword | Meaning  |
| Fuel | A substance that is used to produce energy e.g. coal |
| Joules | The unit of energy. |
| Kinetic energy | The energy possessed by a body because of its motion |
| Gravitational energy | When an object is above the Earth's surface it has gravitational potential energy |
| Chemical energy | Energy that is stored and then released during a reaction e.g. A battery. |
| Thermal energy | Thermal energy results in an object or a system having a temperature that can be measured. |
| Elastic potential energy | Potential energy stored as a result of deformation of an elastic object |
| Conduction | Energy transfer through solid materials |
| Convection | Energy transfer in fluids (Fluids are liquids and gasses) |
| Radiation | Energy transfer from one place to another without using particles i.e. thermal radiation form the sun to the earth. |
| Renewable | A natural resource or source of energy that is not depleted by use, such as water, wind, or solar power |
| Power | **Power** is the rate of doing work, the amount of energy transferred in a given time. |