

Energy

2. Energy transfers

CONCEPT 2

ENERGY DISSIPATION

NOTES

All of the energy we have in the universe was created from the Big Bang. Since this point in time, no new energy has been created and no current energy has been destroyed. This is called The Conservation of Energy Principle.

If energy is not transferred into a store which is 'useful' (enables useful work to be done) then that energy has been **dissipated** and transferred into a store that is 'wasteful'.

Energy transfers can be drawn in a diagram called a Sankey diagram. An example of this is shown below.

A Sankey Diagram - a 'to scale' diagram representing energy transfers

