

Key Stage 3 Precise Learning Points



Unit Number

P2

Unit Title

Energy

Chapter

Energy Stores & Transfers

Key Scientific Points

1. The energy stores are: chemical, kinetic, gravitational potential, elastic potential, thermal
2. Energy carrying processes can transfer energy from store to store. Energy can be transferred by heating, radiation, mechanically or by electricity.
3. The total energy is always conserved (there is always the same total energy stored after an energy transfer as before).
4. Energy is measured in Joules.
5. More energy is transferred from a concentrated store.
6. When energy is transferred it ends up in multiple stores, this is called dissipation. Another way of thinking about this is that every energy transfer results in energy being more spread out.
7. Not all of these stores are useful. This is called wasted energy.