

P2 Energy Transfer Knowledge Questions

1. The scientific name for heat energy is _____ energy
2. Heat travels through a solid by _____
3. Heat travels in fluids by _____
4. Heat travels through space by _____
5. Fluids are _____ and _____
6. Metals have higher thermal conductivity than non-metals this means they conduct heat _____
7. Metals have a higher thermal conductivity because they have _____

8. A coloured image showing heat leaving objects is called a _____
9. The amount of energy it takes to heat up 1 kilogram of a substance by 1°C is called its _____

10. Two examples of home insulation are _____ and _____
11. Energy not being stored in useful ways is described as being _____ energy

P2 (Separate Physics only)

1. The electromagnetic wave which carries thermal energy is called _____
2. Dark colours are good _____ and _____ of Infra-red.
3. Shiny colours are good _____ of infra-red
4. A larger difference in temperature between an object and its surroundings will cause the object to cool _____
5. Global warming is caused by _____

P2 Energy Transfer, Answers

1. Thermal/internal
2. Conduction
3. Convection
4. Radiation
5. Liquids and gases
6. Faster/better
7. Delocalised (free) electrons
8. Thermogram
9. Specific heat capacity
10. Any 2 from: cavity wall insulation, draught excluders, double glazing, triple glazing, loft insulation, carpet underlay, carpet
11. Wasted

P2 (separate only)

1. infrared radiation
2. emitting and absorbing (any order)
3. reflectors
4. quicker/faster
5. Greenhouse gases (accept named gases)