



Heat (or _____), is a type of _____ that is transferred from _____ objects to _____ objects.

When heat is transferred by direct contact between particles, this is called _____. Heated particles _____ more and can move faster if they are not fixed in position (like in a _____). When particles _____ they pass on heat energy.

As particles can move freely in _____ and _____, when these substances heat up the particles can move faster and further away from each other, making the substance _____ dense. _____ dense substances can rise above more dense substances before cooling and sinking. This allows heat to transfer throughout the substance and is called _____.

Heat can also be transferred by _____. This type of transfer involves heat travelling between objects as _____ waves and means the energy does not need particles to travel, ie. can travel through _____.

Dull, black objects are better than shiny, light objects at _____ and _____ heat energy by radiation.

Words to choose from

convection	conduction	radiation	less	thermal	vibrate
liquids	warmer	absorbing	electromagnetic		solid
cooler	energy	less	energy		
collide	emitting	space	gases		

