

S1 Lesson 4 (18/1- 22/1)

Lesson	Learning Intentions - I can...	Information	Task
4	1. State the names of the 3 methods of heat transfer.	"Three Methods of Heat Transfer" worksheet	Week 1 recap quiz. Watch the video. Complete the worksheet.
5	2. Explain the link between heat loss from buildings and the temperature difference between the inside and outside of the building.	"Slowing Down Heat Transfer" worksheet	Practical activity and answer questions 1-5.
6	3. Describe ways in which heat is lost from buildings.	"Keeping Heat In" Worksheet	Complete questions 1-6 on the worksheet.

I can state the names of the 3 methods of heat transfer.

Week 1 Recap: Complete this Kahoot quiz to see what you can remember from week 1:



Go to <https://kahoot.it/>

Enter the game pin for your class

Classes 1.1 to 1.5: **05374860**

Classes 1.6 to 1.10: **04298199**

Enter your full name as the 'nickname'

There will be a prize for the highest score when we return to school!

More tasks on next page

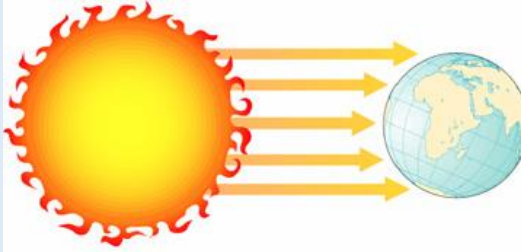
Three Methods of Heat Transfer



Click on this [link](#) to watch a video on heat transfer.

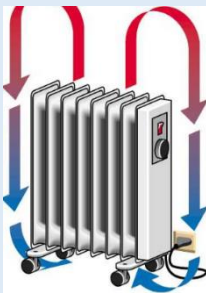
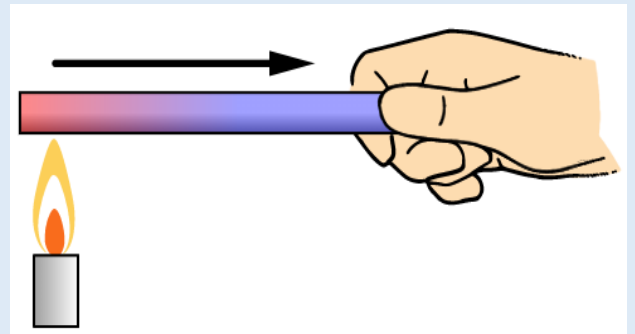
Fill in your answers on the Microsoft form linked at the bottom of the page, or complete on a word document through Satchel One (SMHW).

Make sure you check your spelling against the word bank!



The Sun's energy is carried to Earth by _____. Heat flow by radiation doesn't need _____ of gas, liquid, or _____ to travel through.

When heat is transferred through a solid the method of heat transfer is called _____. When the tightly packed particles are heated they gain more _____. They vibrate _____ quickly, this passes the heat energy along to the colder particles. Heat flows because there is a _____ in temperature. Heat is always transferred from _____ objects to _____



_____ is how heat energy is transferred in moving currents through liquids and gases. Molecules that are heated will _____. Convection currents help heat a liquid or gas to the same _____.

You will not need to use all of the words in the word bank.

particles	temperature	radiation	more
conduction	less	convection	energy
Rise up	Sink down	difference	heat
solid	cold	hot	air

<https://forms.office.com/Pages/ResponsePage.aspx?id=oyzTzM4Wj0KVQTctawUZKWaeZ6bNSaRAj-TiK5FgW3lUMDNXmk8xRUFTWDRIMExaRIJaOVRJSzhETS4u>

