

Time	Teacher	Students
6 mins	Vocabulary match Today's vocab - diffuse - equilibrium	Write into books
4 mins	2 mins: review last week's lesson. I'm going to ask you some questions. (1 min alone. 1 min in pairs) Talkback – using headings on mindmap	Think time. Volunteers write up what they learnt
5 mins	<i>"Today I'm going to play you a rap about heat transfer – with information on all three ways that heat is transferred. I'll play the whole thing through once, and then we'll look in more detail at the conduction verse."</i> Play 'Radiation, Conduction and Convection'	Listening
3 mins	<i>"This time I'm going to give out the lyrics to the rap, and I'll let you read them while I replay the verse on conduction."</i> Play conduction verse and chorus	Hand lyrics around Listening and looking on
6 mins	<i>"So what are some of the things that the rappers were talking about?"</i> Get responses. <i>"What does it mean when it says:</i> Atoms in matter in a fixed position vibrate when heated Like a pan in the kitchen Transmit the heat energy to atoms next to them That are cooler than they are to cause equilibrium	Answer questions
5 mins	Explain the atoms, using the 'conduction close-up' visual <i>"OK. So here we have a metal rod, and a Bunsen burner heating the rod. The atoms at this end of the rod that are getting heated start vibrating faster and faster and they transfer their energy to the ones next to them... and so on until the whole rod is the same heat all the way through."</i>	Copy diagrams into books
3 mins	Purpose of text. <i>"Going back to have another look at the lyrics, we can see that they don't follow the rules of sentence writing. That's ok, because rap lyrics are said, and aren't usually written down. However, is form of writing OK for you to use in your schoolbooks? Why not? (or... NO IT ISN'T!)"</i>	

	<p><i>What would these lyrics need if they were going to be a science text?</i></p> <ul style="list-style-type: none">- capital letters- full stops- Step-by-step order to make it easy to understand	
6 mins	<p><i>“In groups of 3, I’d like you write the ideas from the conduction verse in complete sentences. Write them in your books under a heading ‘CONDUCTION’.</i></p>	Re-write conduction verse in complete sentences
2 mins	A couple of groups share their sentences	Report back