

Chapter 21 – Heating Effect of Electric Current

Learning Grid

Heating Effect of Electric Current	Questions	Answers
	Sketch two graphs of voltage against current for an ohmic and a non-ohmic conductor.	
	Sketch a graph of resistance against temperature for a metallic conductor. State whether it is an ohmic or non-ohmic conductor.	
	Sketch a graph of resistance against temperature for a filament bulb. State whether it is an ohmic or non-ohmic conductor.	
	Write the four different equations you could utilise when discussing electrical power.	

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	List the three key effects produced by electric current.	
	State Joule's law.	
	Explain how a fuse works.	
	Sketch the design of a typical three-pin plug. Label the wires with their correct colour.	
	What is bonding in electric circuits?	