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Name		
Name		

Extension: Popcorn Experiment Conduction, Convection, Radiation



***For each station, follow the cooking directions on the lab table.

Observe what happens as the popcorn is popped and fill out the chart below.

	Start Time	Time First Kernel Popped	Time Last Kernel Popped	Total Time (from start time to last kernel popped)
Microwave Popcorn	0:00			

	ow is heat reaching That type of heat tra	the kernels? nsfer is this? Explain w	hy.	
n the box, draw a s	simple diagram shov	ving the transfer of ene	ergy. Make sure to la	bel how the heat is transferred.
		s popped and fill out th	ne chart below.	
		Time First Kernel	Time Last Kernel	Total Time (from start time to last kernel popped)
	ens as the popcorn i			Total Time (from start time to last kernel popped)
	Start Time 0:00	Time First Kernel	Time Last Kernel	`
Observe what happe Whirly Pop How is heat reaching	Start Time 0:00	Time First Kernel Popped	Time Last Kernel	`
Observe what happed Whirly Pop How is heat reaching What type of heat to	Start Time 0:00 ng the kernels? ransfer is this? Expla	Time First Kernel Popped	Time Last Kernel Popped	`
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Observe what happed Whirly Pop How is heat reaching What type of heat to	Start Time 0:00 ng the kernels? ransfer is this? Expla	Time First Kernel Popped	Time Last Kernel Popped	last kernel popped)

Station 3 - Air popper

Observe what ha	opens as the	popcorn is po	opped and fill o	ut the chart below.
Obool to tillactia	5 P C 1 1 0 0 0 0 1 1 C	POPCOIII IO PO	opped dila ili o	ac are criare below.

	Start Time	Time First Kernel Popped	Time Last Kernel Popped	Total Time (from start time to last kernel popped)
Air Popper	0:00			

/hat type of heat transfer is this? Explain	why.
the box, draw a simple diagram showing	the transfer of energy. Make sure to label how the heat is transferred.
irections – Identify each example as cond	uction, convection or radiation.
rections – Identify each example as cond	uction, convection or radiation. 13
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1	13 14 15 15
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1	luction, convection or radiation. 13
2.	luction, convection or radiation. 13
1	luction, convection or radiation. 13