

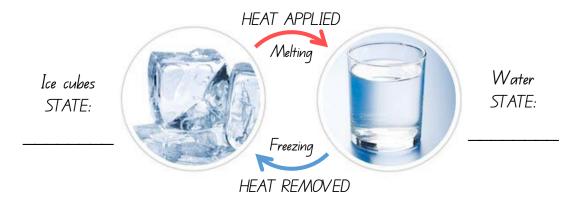
Year 3 Hardcore Heat STUDENT WORKSHEET

With Street Science, you became a junior scientist, conducting chemical reactions to transform heat energy and testing the conductivity of materials.

1. Use the word bank	to compl	ete the i	nformation	on about	heat produ	iction.
Heat is a form of _ energy through even			,			
react						
can feel and measur						
WORD BANK: therv	nometer	energy	friction	produce	electricity	Chemical
2. We used digital the absorbed or product your results sheet on the change in temperate GF	ed in two or the clas c ure for e	o chemic ss averag ach react	al reactio e results	ns . Your to help y	teacher car ou calculate	n give you
End temperature	MINUS	Start te	mperature	EQUALS	Temperature	change
°C	_		°C	_ =	,	°C
YEL	LOW Rea	ection – te	emperatu	re decrei	ase	
Start temperature	MINUS	End ter	nperature	EQUALS	Temperature	change
°C	_		°C	_ =		$^{\circ}\mathcal{C}$
Which reaction had a la	arger tem	nperature	e change ?) 		



3. We tested how heat can be **conducted** through different materials by melting ice cubes. Name which states of matter we observed.



Predict what would happen to liquid water if we applied more & more heat	
energy?	

4. Draw the objects which we tested and label the materials they are made of. State whether or not the ice melted in each material.

Object drawing			
Material			
Did the ice melt?			
ice melt?			

Which object was the best conductor of heat?

Extras for Experts!



Science Steve wants to keep his lunch hot until break. Should he use a metal or foam bowl?

Explain why?

