MISSION: Heat and Temperature	Mission code: 01
Date:	Name:
Record the temperature measured by the	2 senior astronaut here:
Temperature of aluminum	
Temperature of plastic	
Temperature of your hand	

Touch the aluminum plate			
Is the plate warm or cool? Circle what you observe.	warm	In between	Cool
Is your hand warmer or cooler afterwards? Circle what you observe.	warmer	The same	Cooler

Touche la plaque de plastique			
Is the plate warm or cool? Circle what you observe.	warm	In between	Cool
Is your hand warmer or cooler afterwards? Circle what you observe.	Warmer	The same	Cooler

Draw what happens when you touch the pate:

Conclusion:

Fill in the text with the words "warmer" and "cooler", and complete the model with an arrow to show how heat moves:

Heat moves from an object that is		
to an object that is		
Model:		
Heat		
warm Cool		

ice Melting Experiment

The senior astronaut will give you ice cubes to put on your plates.

Temperature of the ice

Aluminum plate		
which is warmer?	Ice	Aluminum plate
Draw an arrow to show the direction that heat moves	Ice	Aluminum
what is the speed of the heat transfer?	Faster	Slower

Plastic plate		
which is warmer?	Ice	Plastic plate
Draw an arrow to show the direction that heat moves	Ice	Plastic
what is the speed of the heat transfer?	Faster	Slower

After completing the ice experiment:

Compare the plates		
Temperature of the aluminum plate		
Temperature of the plastic plate		
which plate melted the ice faster?	Aluminum	Plastic
Fill in the test using the words: ice cubes,	good, aluminum, bad, plate	es, fast, plastic, slowly,
quickly		
Today I learned that different materials al	low heat to flow different	tly. I did an experiment
that showed that heat flows better in	tha	ni ne
		,
In my experiment, I put	onto	made ot
different materials.		
The ice melted more	·	stic is a
heat conductor		
The ice melted more	on aluminum beca	use aluminum is a
heat conduction	ctor.	
The Unknown planet		
You have landed on an unknown plane	t. You explore the plane	et to search for new
materials. You found a sample that you	bring back to the space	station to analyze with
your team.		v
what is the number of the sample you		
found?		
what color is the material?		
Does it seem like other materials that you		
have tested? Why or why not?		

what is its temperature?	
You want to know if the material is a good find out?	heat conductor. What experiment will you do to
Order the material you found with aluminuthey conduct heat.	m and plastic using the arrow to show how well
Conducts heat poorly	Conducts heat well
Fill in the text using the words: ice, heat conduc	ctivity, better, worse, the same,
·	the new material to the materials I studied
Mission complete stamp	Signature of senior astronaut: