My Book About Heat and Light

Name:					
		Insula	tors		
Question: Which ma	terial will keep	heat in the lon	gest?		
Hypothesis: I think _					
Materials: You will r thermometer. Steps: 1. Fill 3 small cups	with hot water.	Co	folded newspape onclusion:	er, 1 towel, 3 sn	nall cups, and a
2. Take the temperat	ture of each cup				
3. Wrap each cup w	ith an insulator.	_			
4. Measure the temp		cup every			
	0 minutes	1 minute	2 minutes	3 minutes	4 minutes
Cup in newspaper					
Cup in stryofoam					
Cup in towel minu					

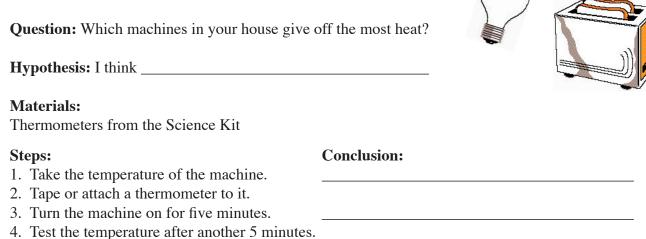
Hot to Cold

Question: Which room is the hottest? Which room is the coldest?					
Hypothes	sis: I think				
Materials	s: Thermometers				
Steps: 1. Measu	re the temperature in six rooms.				
2. Leave	the thermometers for 5-10 minutes.				
3. Also o	bserve how much sunlight is in each ro	oom.			
	Room	Temperature			
1.					
2.					
3.					
4.					
5.					
6.					
Question	Solar (How can I use the sun's heat to cook	Cooking my food?			
	sis: I think				
Materials: 1 bowl covered in foil (shiny side out) clear plastic wrap to cover top marshmallows 1-2 graham cracker squares chocolate chips					
Steps: 1. Place graham cracker in bowl.		Conclusion:			
2. Place chocolate chips and marshmallows on top or cracker.					
3. Cover	with plastic wrap.				
4. Place i	n direct sunlight.				

Sprouts!

Question: Do seeds need heat to sprout?					
Hypothesis: I think					
Materials: 2 plastic bags seeds 4 cotton balls			1 0		
 Steps: Place 2 cotton balls in 2. Place a few seeds on moisten with water. Place 1 seed bag in a 4. Place 1 seed bag in a 5. Observe for one week 	the cotton and slightly cool or cold area. warm area.	Conclusion: Which seeds grew better?			
Observations:					
Question: Which two the	Heat From				
Materials: 1 thermometer or heat so Items to test					
Steps:1. Choose items from a together (wood, rubb2. Take the temperature rubbing.	er, plastic).	Conclusion:			
Item 1	Item 2	Time	Temperature		

Heat From Machines



Machine	Temp. While Off	5 Minutes	10 Minutes	Difference
