

## Experiment

<https://www.sciencekids.co.nz/gamesactivities/keepingwarm.html>

- Click the red arrows to find the polystyrene. Drag it over the beaker to begin the experiment.
- Choose your material and start the timer.
- Pause the timer every 5 minutes and use the grid on the next slide to take note of the temperature.
- Stop after 20 minutes. Reset. Choose a new material.

	Temperature (°C)		
	Polystyrene	Metal Foil	Cardboard
5 minutes			
10 minutes			
15 minutes			
20 minutes			

## Red

<b>Material</b>	<b>Results: Thermal Conductor or Thermal Insulator? (Choose 1)</b>	<b>Evidence (Choose 1)</b>
Polystyrene	Thermal Conductor/ Thermal Insulator	The drink <b>was/wasn't</b> kept above room temperature
Cardboard	Thermal Conductor/ Thermal Insulator	The drink <b>was/wasn't</b> kept above room temperature
Metal Foil	Thermal Conductor/ Thermal Insulator	The drink <b>was/wasn't</b> kept above room temperature

## Yellow

<b>Material</b>	<b>Prediction: Thermal Conductor or Thermal Insulator? (Choose 1)</b>	<b>Results: Thermal Conductor or Thermal Insulator? (Choose 1)</b>	<b>Evidence (Choose 1)</b>
Polystyrene	Thermal Conductor/ Thermal Insulator	Thermal Conductor/ Thermal Insulator	The drink <b>was/wasn't</b> kept above room temperature
Cardboard	Thermal Conductor/ Thermal Insulator	Thermal Conductor/ Thermal Insulator	The drink <b>was/wasn't</b> kept above room temperature
Metal Foil	Thermal Conductor/	Thermal Conductor/ Thermal Insulator	The drink <b>was/wasn't</b>

	Thermal Insulator		kept above room temperature
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**Green**

<b>Material</b>	<b>Prediction: Thermal Conductor or Thermal Insulator?</b>	<b>Results: Thermal Conductor or Thermal Insulator?</b>	<b>Evidence</b>
Polystyrene			
Cardboard			
Metal Foil			