

Temperature-controlling textiles

Education in Chemistry

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Get a feel for the high-tech fabrics that can help us maintain our preferred temperature.

Make a smart jacket

Set up your experiment as shown by your teacher. Use this table to record the temperature of the water inside your bottle at time intervals of 30 seconds.

	Temperature reading (°C)																
Time (mins) →	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
No jacket (control)																	
Charcoal																	
Aluminium foil																	
Hydrogel																	
Cork																	
Sand																	