

Keeping the heat in

materials

What you need: identical clear plastic cups · trays to hold each group's cups · wool fabric scraps or cut pieces from an old sock · aluminium foil sheets · paper wrap (newspaper or kitchen paper) · bubble wrap pieces · elastic bands or sticky tape strips to fasten wraps · jug of warm (hand-safe) water for teacher pouring · class timer or stopwatch · classroom thermometers · cloths or paper towels for spills

Words to use

Heat insulator · Heat conductor · Fair test

Our question

Which wrapping keeps warm water warm longest?

I predict...because...

Which wrapping stayed warmest? (in score)

Wrapping	Warmth left (1-5)

Draw a bar chart of our results

Which bar is highest? What does that tell us?

Which material let heat leave fastest?