

Conductors and insulators of heat: which spoon stays cool?

materials

What you need: metal teaspoon or dessert spoon · wooden spoon · plastic spoon · identical plastic or paper cups · large jug of warm hand-safe water plus kettle top-up · stopwatch or classroom timer · cloths or paper towels for spills · Investigation Journal pages · optional digital thermometer (extension method only; not required)

Words to use

Heat conductor · Heat insulator · Middle value

Our question

Which spoon handle warms fastest in warm water, and how will we measure that fairly?

I predict...because...

Which spoon handle warms fastest? (in s)

Material	Time to feel warm (s)

Draw a bar chart of our results

What one thing are you changing?

What could spoil the fairness of your test?