

Which Insulation Works Best?

Each of you has a cup with one of the pieces of material around it listed below. You will be working in groups of four, each having different testing cups. Each will get some hot water in their cups. Write down the beginning temperature in the “beginning” row under your type of cup cover. Then every five minutes we will take the temperature of the water in the cup and write the temperature in that same column of your cup cover. Every five minute the temperature of the water in the cup could drop, but some cup temperatures could drop faster. If the temperature is dropping quickly the cup cover is a “poor” insulator. If the temperature is dropping slowly it is a “good” insulator. Let’s see what happens to your groups’ water temperatures as we do this experiment.

Minutes	Towel	Tin Foil	Paper	Styrofoam	Fabric	Control
Beginning						
5 minutes						
10 minutes						
15 minutes						
20 minutes						
25 minutes						
30 minutes						
35 minutes						
40 minutes						

Insulation Comparison

Temp.

