Heat expert group experiments

Question: How does type of material (e.g., aluminum, copper, PVC, plastic) affect its ability to give off heat? (What is the specific heat of materials?)

Hypothesis 1:

Variables:

Procedure

Use an insulted cup and thermometer to determine the heat gained by water and find the heat lost by the material. Create a table to record these data. For more information, watch [www.youtube.com/watch?v=yhNHJ7WdT8A](https://www.youtube.com/watch?v=yhNHJ7WdT8A).

Specific heat of material =

(Mwater \* Temp 1water – Temp 2water) / (Mmaterial \* Temp 2material – Temp 1material of material)