



Activity 8: Ouch, That Sand is Hot!

Do different substances and surfaces hold heat differently?

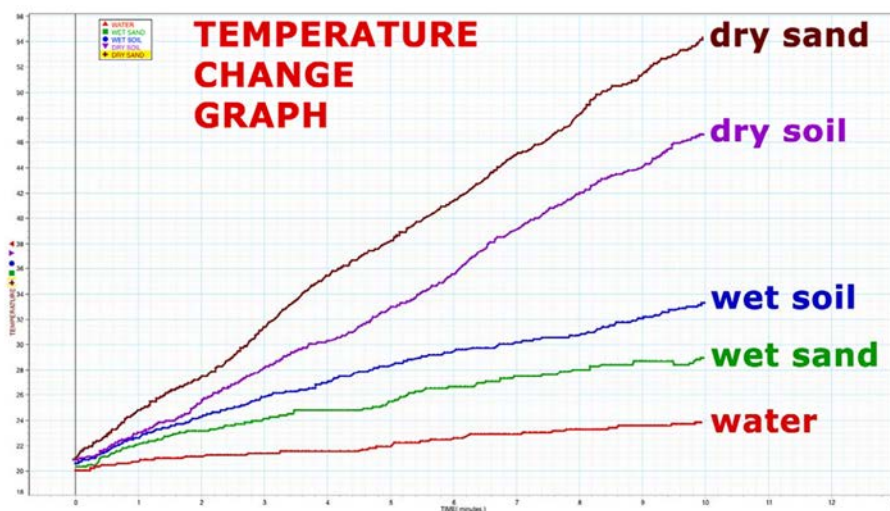
Resources

- **ADLC Digital Lesson on Heat Capacity**

<https://adlc.wistia.com/medias/w17mqftqsb>

Instructions

1. Watch the YouTube Video **ADLC Digital Lesson on Heat Capacity** to help.
2. Review the **Temperature Change Graph** below. It is the same graph from the experiment shown in the video.
3. Use the **Heat Capacity of Substances Chart** to order the substances from the experiment graph from highest heat capacity to lowest heat capacity. Place the substance with the highest heat capacity at top of the right-hand side of the chart, and continue to list the substances down to the lowest heat capacity.



Heat Capacity of Substances Chart

Highest Heat Capacity	
Lowest Heat Capacity	