

Questions:

- a) What is the difference between Celsius and Fahrenheit?

- b) What were your final temperature changes before your material heated up and after you material heated up?

- c) What is the mass of your material?

- d) Based on your observations, which material was able to store the heat energy better, water or sand?

- e) Given that the specific heat of water is $4.186 \text{ joule/ (gram}^{\circ}\text{C)}$, calculate the amount of heat gained by your material.

- f) If you were given a beaker of water at 50mL and another at 100mL and heated them up, which one do you think would be heat up faster? Why?

Bonus: convert your final measurements from Celsius to Fahrenheit