

Name _____ Date _____

Solar Panning

Question: How will varying the size of pans affect the rate of solar heat absorption?

Hypothesis: I think _____

Record the temperature of the water in both pans as you first place them in the sun. Then continue to record the temperature of the water in your pans every 10 minutes.

Small Pan

Larger Pan

Time

Temp.

Temp.

What is your conclusion? _____

Question: How will varying the color of the pans affect the rate of solar heat absorption?

Hypothesis: I think _____

White Pan

Black Pan

Time

Temp.

Temp.

What is your conclusion? _____

In which pan did the water temperature increase the most? _____

What would be the most effective size and color for a solar heat absorption container? Why?
