

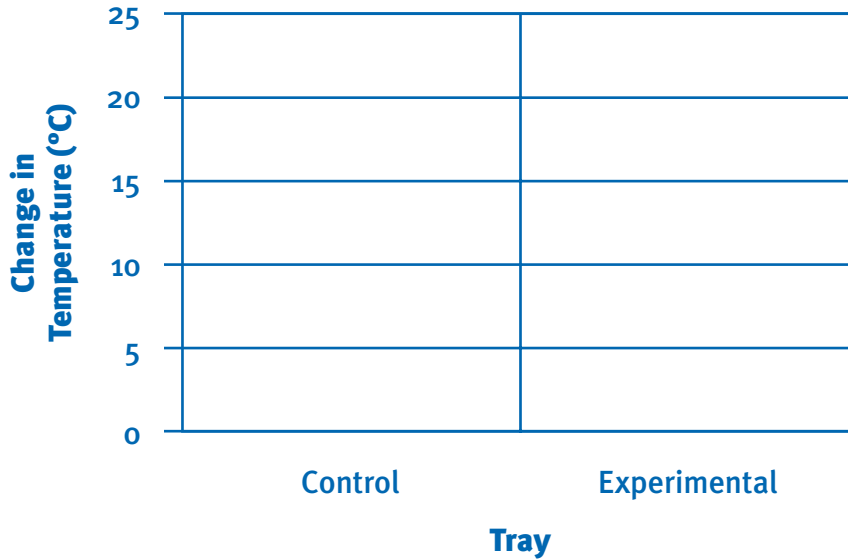
Solar Energy and Tray Angle

Starting Time _____		Ending Time _____	
	Starting Temperature (°C)	Final Temperature (°C)	Change in Temperature (°C)
Control Solar Tray (level)			
Experimental Solar Tray (elevated)			

1. Record the starting temperature of the water and the starting time.
2. Draw and describe your solar trays. Include information such as the position and elevation of each tray, the position of the sun, and the time of day and time of year.

Solar Energy and Tray Angle

- After 40 minutes, record the final temperatures and the ending time. Calculate and record the change in temperature for each tray.
- Make a bar graph showing the temperature change in each tray.



- The final temperature of the elevated tray was _____ than the final temperature of the level tray by _____ °C.
- What is the relationship between the angle at which the Sun's rays hit a tray and the temperature of the water in that tray?
