

Melting the Ice

You may work with a team during this activity.

1. Examine the ice melting blocks. In what ways are they similar? In what ways are they different?
2. Determine the mass, volume and density of each block.

Ice Melting Block Data

Block	Mass in grams	Volume in cm ³	Density in grams/cm ³
A			
B			

3. You will be placing an equal number of ice cubes on each block. Before doing so, make an educated guess about on which block you think the ice will melt more quickly. Which one did you select? Based on which characteristics of the blocks did you base your educated guess?
4. Place the o-rings on the center of each block and place the same number of equally sized ice cubes inside the o-rings near the center of the block.
5. On which block did the ice melt more quickly? Do the results agree with your educated guess? If so, why, if not, why not?
6. Thoroughly dry the ice melting blocks and o-rings and put them bag in their bags.