

<http://www.sumanasinc.com/webcontent/animations/content/propertiesofwater/water.html>

Watch all three segments: a. water as a solvent  
b. density of water vs ice  
c. high specific heat

**Questions:**

- a. Why is water a good solvent? What kind of substances dissolve in water?
- b. Why is ice less dense than water?
- c. What would be the implications for life if ice were more dense than liquid water?
- d. Describe what causes water to have a high specific heat.
- e. What does the graph tell you about the relationship between the entropy of water and its temperature?
- f. Define cohesion and adhesion. Give an example for each using a living organism.