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**RWS 2.2 Properties of Water**

1. Why is water a polar molecule?
2. What are hydrogen bonds?
3. What is cohesion and how does it affect the properties of water?
4. What is capillary action and why is it important to plants?
5. Water has a high heat capacity. What does this mean?
6. Dry places, such as deserts, tend to have air temperatures that fluctuate widely, resulting in very hot days and very cold nights. Areas near the ocean tend to have more moderate climates. How does the high heat capacity of water help explain this?
7. Define
   1. Solution
   2. Solute
   3. Solvent
8. Blood is one example of a suspension. Explain why it is a suspension and not a solution
9. Draw the pH Scale shown in figure 2-10 and place the following substances in the correct places on the scale: Bleach, soap, human blood, pure water, normal rainfall, lemon juice, stomach acid
10. What is a buffer and why are they important to living things?