Properties of Water – All of the unique properties of water are due to the polarity of water molecules that results in hydrogen bonding.

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| **Property** | **Define, Describe, Explain** | **Benefit to Life** | **Demonstration Results** |
| Cohesion/Adhesion,  High Surface Tension |  |  |  |
| High Specific Heat |  |  |  |
| High Heat of Vaporization |  |  |  |
| High Heat of Fusion |  |  |  |
| Lower Density as Solid,  Expansion on Freezing  (Ice floats!) |  |  |  |
| Neutral pH |  |  |  |
| Universal Solvent |  |  |  |