Properties of $\text{H}_2\text{O}$

(+)

$\text{H}^+$

O$^{-2}$

(-)

Hydrogen

Oxygen

Hydrogen bond
Density (kg/m$^3$) vs. Temp (°C)

- At 4°C, hydrogen bonds are stronger than liquid's tendency to shrink.

**Fresh Water**

**Thermal Properties**

- 539 cal/g, "latent heat of vaporization"
- 80 cal/g, "latent heat of fusion"

→ added heat