D. Cohesion – attachment of water molecules to each other by hydrogen bonds

Surface tension – attraction between water molecules at the surface (forms a skin)

Cohesion allows water to rise up through trees.

Answer the following in your notebook:

1. Put the following water types in order of increasing salinity: brackish water, distilled water, salt water, fresh water.

2. Explain how the chemical structure of water is related to cohesion and salinity.
3. Give 2 examples of how marine organisms are affected by water properties such as density, three states of matter, ability to dissolve materials, high heat capacity, and cohesion.