

Dissolved Oxygen

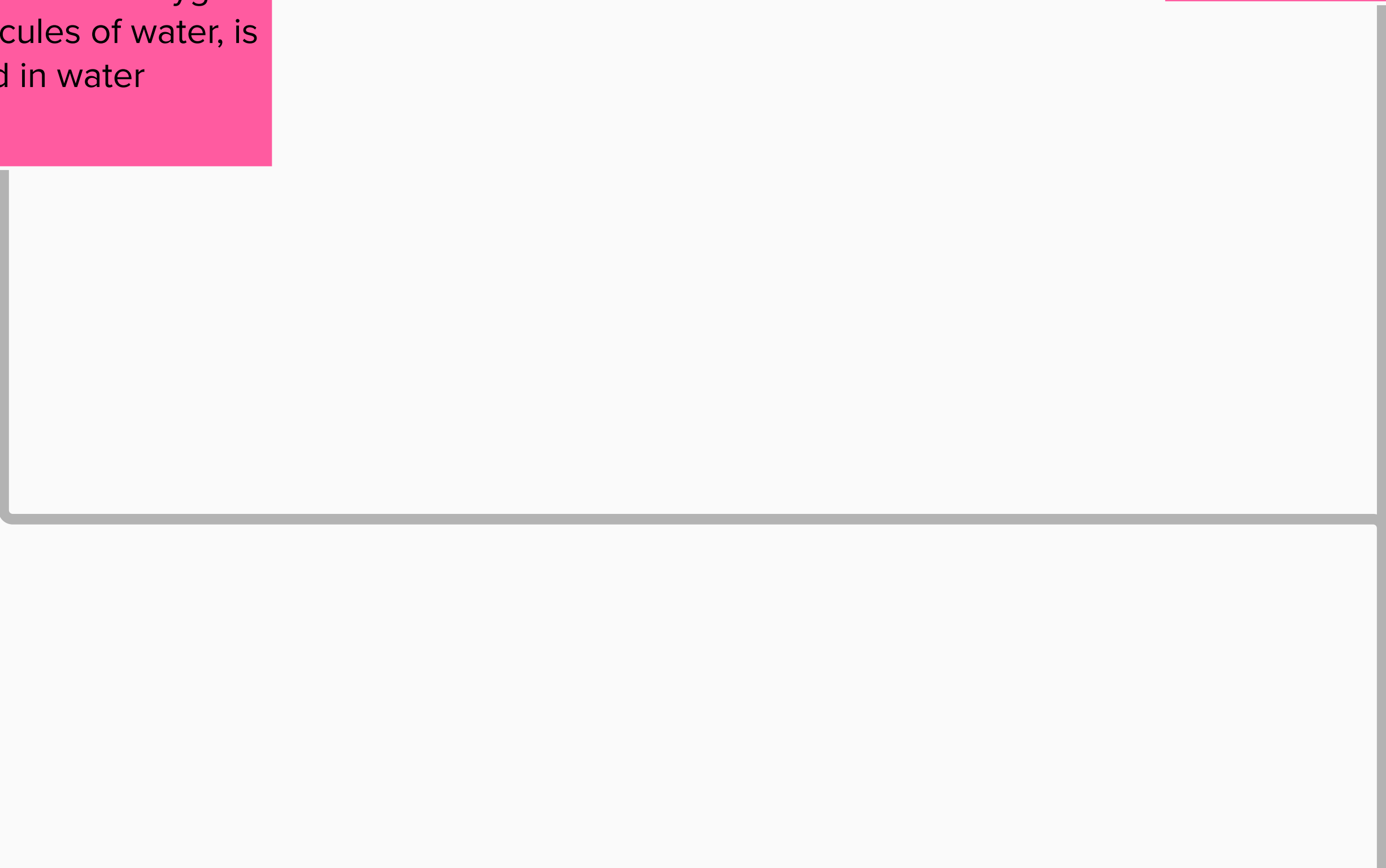
Fish and microscopic organisms need dissolved oxygen to survive.

about ten molecules of oxygen per million molecules of water, is dissolved in water

Temperature

Temperature can affect the level of oxygen, as well as the ability of organisms to resist certain pollutants.

Water temperature is important to fish and aquatic plants.



Acidity – pH

The measurement of pH is a measure of the amount of hydrogen ions (H+) present in a substance such as water.

Knowing the amount of hydrogen in a substance allows us to judge whether it is acidic, neutral, or basic

Factors

Monitor Water Quality

SIX Factors

Turbidity

Turbidity is the amount of particulate matter (such as clay, silt, plankton, or microscopic organisms) suspended in water.

Turbidity makes the water cloudy or opaque



Specific Conductance

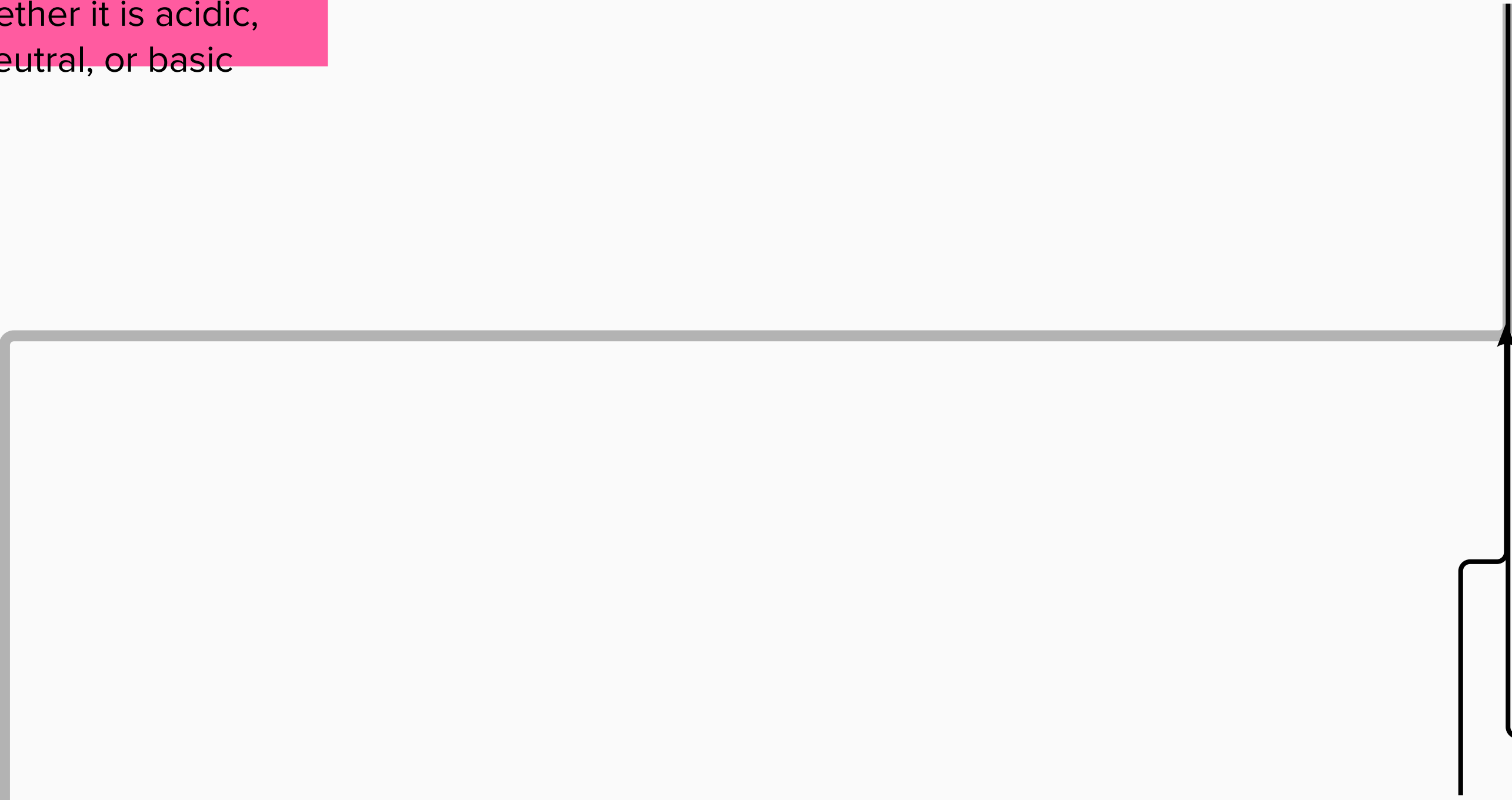
Specific conductance measures the capacity of water to conduct an electrical current

It depends on the amount of dissolved solids, such as salt, in the water.

Hardness

The amount of dissolved calcium and magnesium in water determines its “hardness.”

Water hardness varies throughout the United States.



Suspended Sediment

The amount depends in part on the speed of the water flow.

Suspended sediment is the amount of soil circulating in water.

