

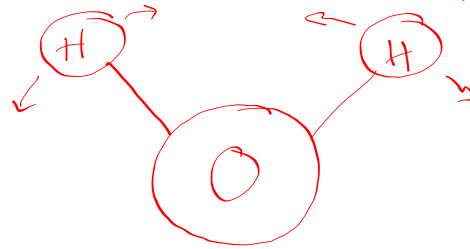
Water Quality:

"WHAT FOR?" { An evaluation of the physical, chemical, & biological characteristics of the water relative to some specific use or circumstance.

1. Drinking water
2. Fish and other organisms
(different for different types of organisms)
3. Agricultural/industrial uses
4. Aesthetic, historical, recreation

Temperature:

• Vibration of atoms/molecules



(H₂O)

• Measurement

Celsius

Fahr.

0

Freezing

32°

15

} typical creek temps.

59°

22

Room temp.

72°

100

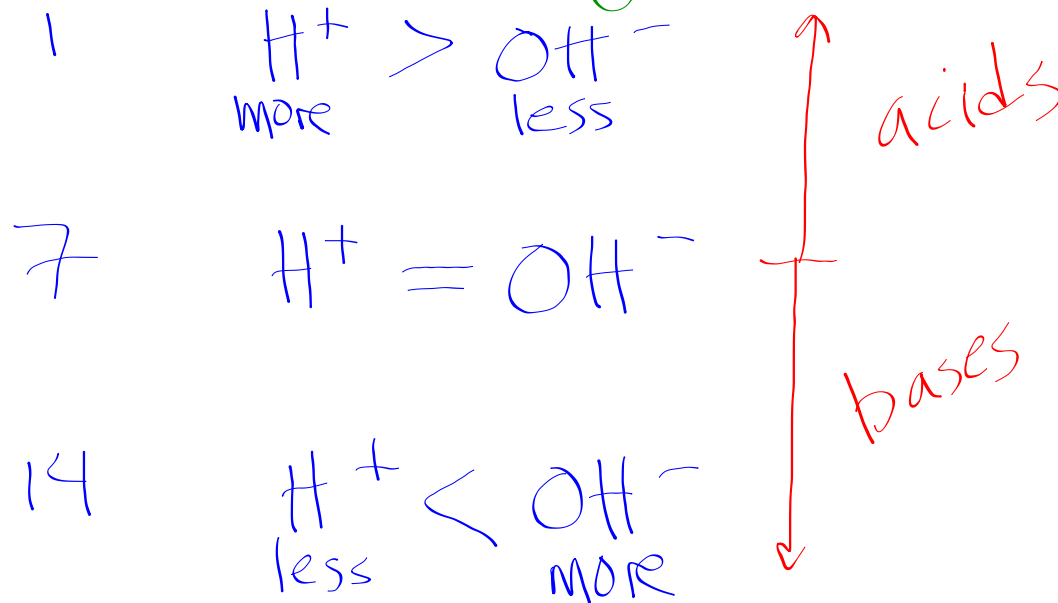
Boiling

212°

pH: "Measures the acidity of water"

Measures the ratio of H^+ (hydrogen ion) to OH^- (hydroxide ion)

H^+ and OH^- are very chemically reactive...



PROTOCOL:

- Collect our samples with minimal handling
- Take temperatures quickly
- Rinse pH sensors
- Stir gently for 10 sec., then record
- Record up here
- Identify and remove outliers

