

Water Quality is an estimate
of how useful water is for:

Drinking	-OR-
Wildlife	-OR-
Recreation	-OR-
Agriculture	-OR-
Industry	-OR-
...	

Water Quality is assessed by making observations and taking measurements:

Physical:

- temperature
- turbidity (clarity)

Chemical:

- pH
- dissolved oxygen

Biological:

- Bacteria, viruses, etc.
- Aquatic bugs
- Fish
- Plants/algae

... and lots more

Temperature:

A measurement of the vibration of molecules → faster = higher temp.

These vibrations contain energy – which can be transferred from one thing to another.

→ The substances in our body function well at only a very narrow range of temperatures

→ High temperatures make some chemical reactions occur or occur faster

Temperature protocol:

- Sensors are OK
- We've got to get the water from creek → sensor ASAP
- We want to limit contact between the container and skin
 1. Carry between thumb & forefinger top/bottom of container
 2. Hustle!
- Sensor sits for 15 seconds