

Temperature Warm-Up:

On one HALF-SHEET of paper, answer the following question (5 minutes, 5 points):

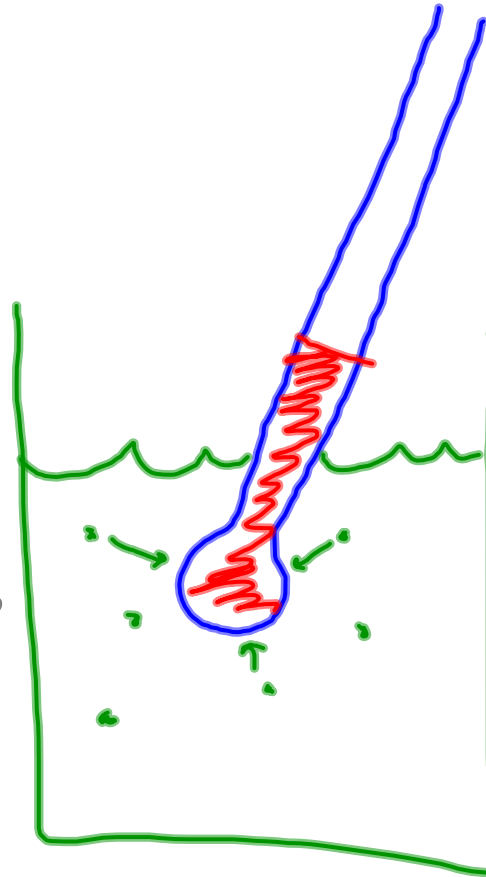
What is temperature? What does it actually measure? Why might it matter for water quality?

Temperature is a measurement
of molecular energy.

↑
KINETIC

- Everything is vibrating –
that creates kinetic energy.
THAT'S what temperature
is

When we measure
temperature, we're
measuring the
speed and force
of thousands &
thousands of collisions



Temperature is important for water quality

- Because organisms are adapted to function best at certain temperature ranges
- Because colder water can hold more oxygen - and some organisms get their oxygen from the water

Temperature protocol:

- Measure at a set time
- Leave thermometers in 30 seconds
- Hold sampling container with thumb/forefinger
- Take temperature ASAP