CAN YOU DRINK THAT?

WATER QUALITY: DESCRIBES HOW PURE THE WATER IS. → A SCORE
→ MEASURED BY AMOUNT of "STUFF", OTHER THAN WATER, in it.

- H_2O in NATURE → NEVER 100% PURE → ALWAYS HAS ORGANISMS, ORGANIC MATERIAL, MINERALS, ETC.
- SALT ($NaCl$) is MOST COMMON SUBSTANCE found in WATER
  - ↳ SEAWATER HAS ↑ SALINITY THAN FRESH WATER (DUH!)
    - ↳ AVERAGE SALINITY = 3.5%
- OTHER SUBSTANCES MAYBE found in H_2O:
  - MICROBIAL CONTAMINANTS
  - INORGANIC " "
  - PESTICIDES / HERBICIDES
  - RADIOACTIVE CONTAMINANTS
  - GOLD & SILVER!

SALINITY → TOTAL AMOUNT of SALT DISSOLVED in WATER.

HARD WATER: WATER W/ A HIGH CALCIUM OR MAGNESIUM CONTENT.

- WATER TREATMENT PLANTS REMOVE HARMFUL CHEMICALS OR ORGANISMS
  - ↳ EX: E. Coli

WHAT MAKES H_2O POTABLE? USUALLY IF IT'S < CLEAR, ODORLESS, TASTELESS

- PROBLEMS HAPPEN WHEN Pollutants SEEP into H_2O and CANNOT BE BROKEN DOWN NATURALLY.

- Human impact NOT all bad.

WATER TREATMENT PLANTS	AQUAPONICS
- speeds up filtering process that happens naturally.	- waste water supplies nutrients for plants, which then purifies the water.