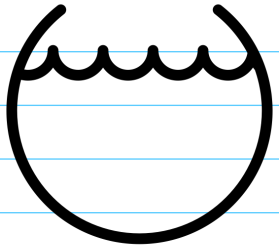
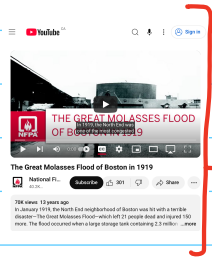
FLUIDS



A FLUID → ANYTHING THAT HAS NO FIXED SHAPE AND CAN FLOW.

USUALLY IS A LIQUID OR GAS



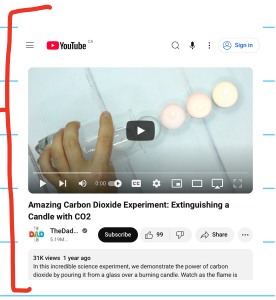
https://www.youtube.com/watch?v=7T33CvXUUKY&t

WATCH: THE GREAT MOLASSES FLOOD of 1919

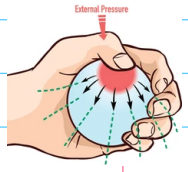
A GAS!

WATCH: POURING CO_2 to EXTINGUISH A CANDLE

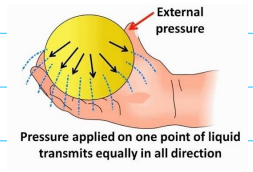
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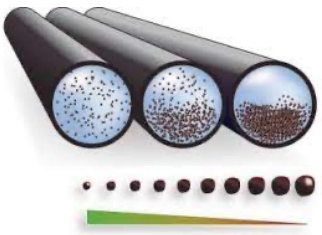
PROPERTIES of FLUIDS



1. FLUIDS = HARD TO COMPRESS.
2. WHEN ENCLOSED IN A SPACE, PRESSURE IS TRANSMITTED EQUALLY.



- CAN BE USED to HOLD/CONTAIN OTHER MATERIALS
  → EX: TOOTHPASTE



SLURRY → A MIXTURE of SOLIDS & LIQUIDS
EX: MUDDY WATER

DIFFERENT FLUIDS HAVE DIFFERENT PROPERTIES

- DEPENDING on THE TASK, CHOOSE DIFF. FLUIDS
- NOT ALL FLUIDS WOULD WORK

WHAT IF WE USED:

- COMPRESSIBLE GAS IN A TIRE?
- WINDSHIELD WASHER FLUID INSTEAD of ENGINE OIL?

NITROGEN VS. OXYGEN

