

FLUIDS



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

USUALLY IS A LIQUID OR GAS

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: TOOTH PASTE

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

