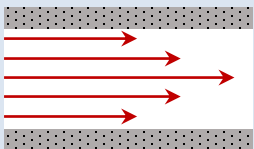
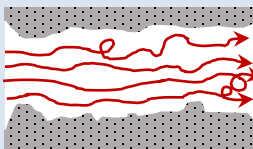


FLUIDS IN MOTION / IDEAL vs REAL FLUIDS

- The motion or FLOW of Fluids can get pretty complicated. We simplify things with a model called IDEAL Fluids.

| IDEAL FLUIDS | REAL FLUIDS |
|--|--|
| - Always: Incompressible (constant density) | - Could be compressible |
| - Always: _____ Flow (steady)  | - Could have _____ Flow (if too fast)  |
| - Always: _____ Flow (no friction) | ← Defining Characteristic: _____ Flow - Viscosity = _____ → Friction |

- Most problems will be about _____ Fluids. Assume IDEAL unless it says REAL or refers to Viscosity.
- In most REAL Fluids problems you will have _____, but no _____ or _____.