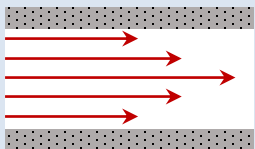
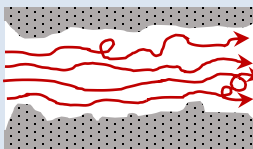


FLUIDS IN MOTION / IDEAL vs REAL FLUIDS

- 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 _____.