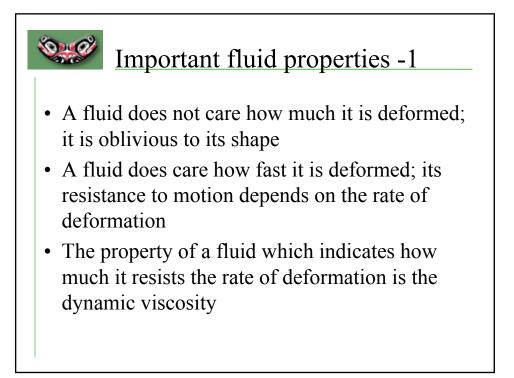
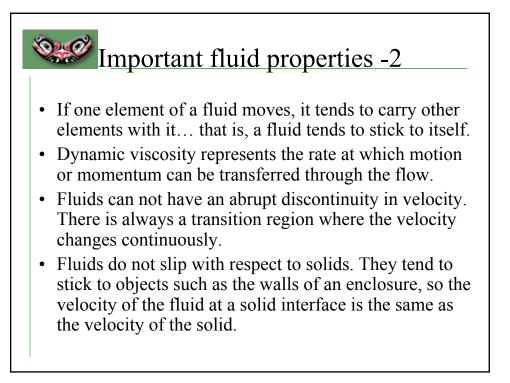


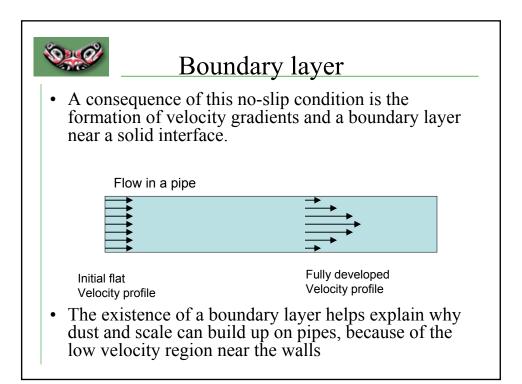
\$

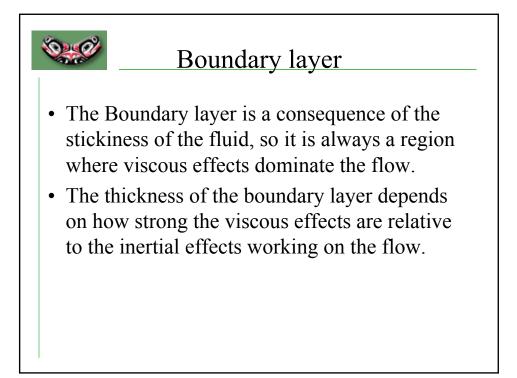
Some Characteristics of fluids

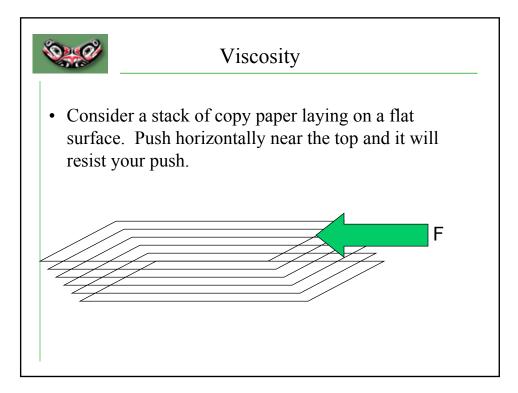
Pressure: P = force/unit area Temperature: T = kinetic energy of molecules Mass: M=the quantity of matter Molecular Wt: M_w = mass/mole Density: ρ = mass/unit volume Specific Volume: v = 1/ ρ Dynamic viscosity: μ = mass/(length•time) -Dynamic viscosity represents the "stickiness" of the fluid

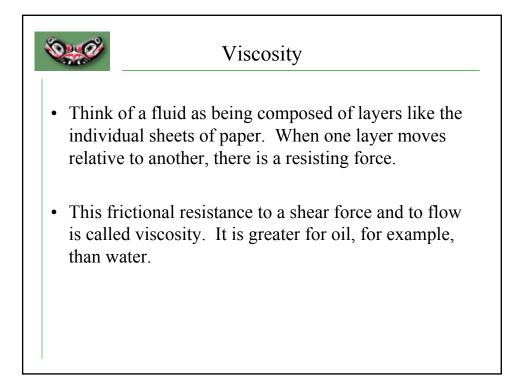












\$	Typical values			
	Property	Water	Air	
	Density ρ (kg/m ³)	1000	1.23	
	Bulk modulus K (N/m ²)	2 x 10 ⁹		
	Viscosity µ (kg/ms)	1.14 x 10 ⁻³	1.78 x 10 ⁻⁵	

