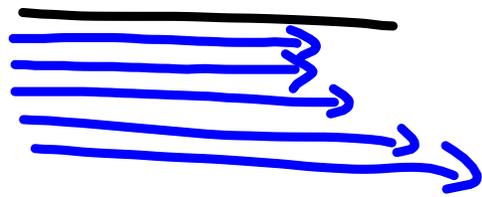


$H_2O$  in  
a pipe

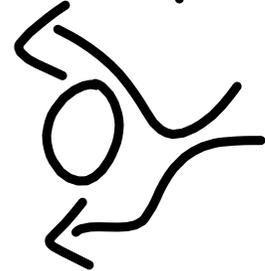


$$Re =$$

Inertial viscosity

Kinematic viscosity

↳ Cannonball



$$F_D = \frac{1}{2} \rho A C_D V^2$$

$$F_D = b V^2$$

$$\ln(mg) = \ln(bv^n)$$

$$\ln(mg) = \ln(bv^n)$$
$$\ln(b) + \ln(v^n)$$

$$\ln(mg) = \ln(b) + n \ln(v)$$

$$\ln(mg) - \ln(b) = n \ln(v)$$

$$\ln\left(\frac{mg}{b}\right) = n \ln(v)$$