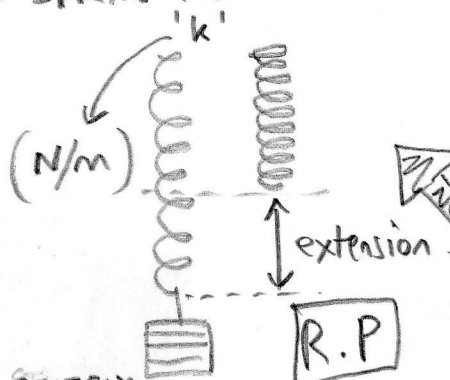
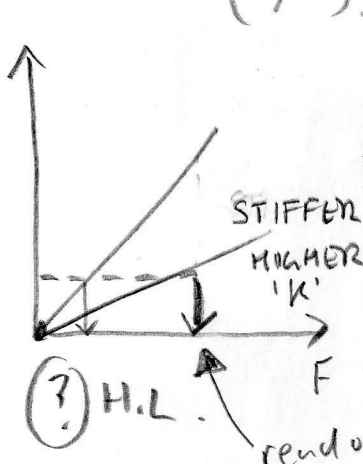


FORCE = SPRING CONSTANT  $\times$  EXTENSION.



obeys Hooke's law?

SPRINGS (WOULDN'T FIT ON P10!)



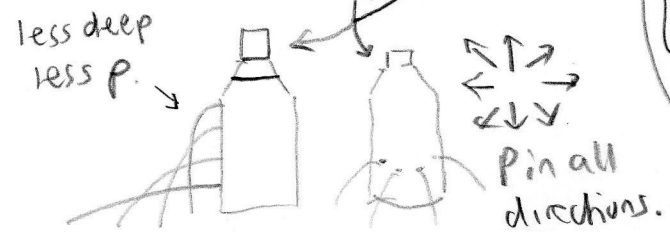
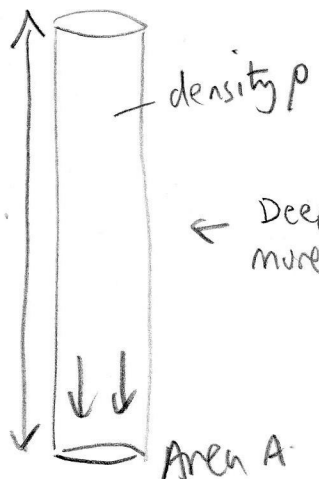
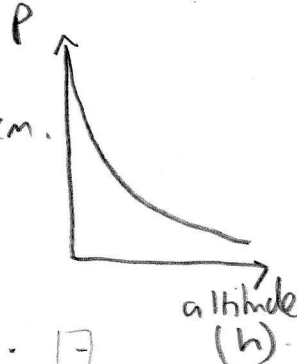
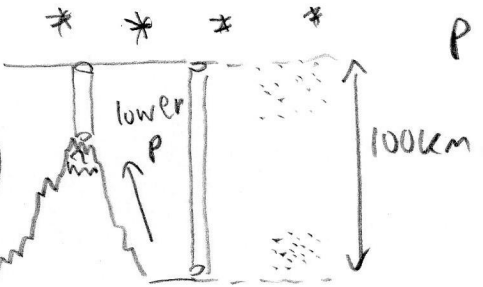
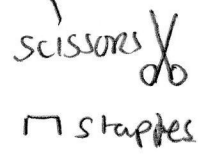
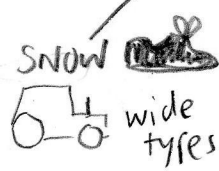
see sep sheet

# FORCE P11 AND PRESSURE

WEIGHT / AREA → FOOT.

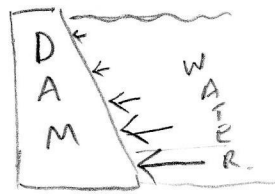
(or Pascals Pa)  
 $Pressure = \frac{Force}{Area}$   
 $N/m^2$

LOW P (LARGE AREA)  
 HIGH P (SMALL AREA)



Deeper more pressure.

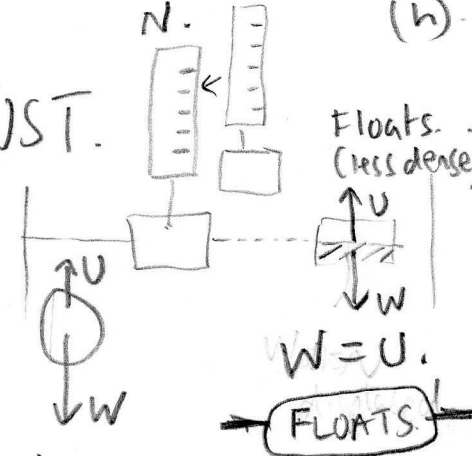
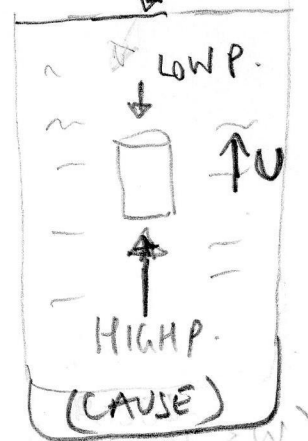
Pressure =  $h \times \rho \times g$



(P = hρg)  
 Atmosphere

Higher.

## UP THRUST.



Uphrust < weight.  
 (OR RISES IF  $U > W$ )

\* Given in exam.