Answer on Question #43579, Physics, Other

if a ship and needle is placed inside at same depth at sea which will face more pressure?

Solution.

The pressure due to a liquid in liquid columns of constant density or at a depth within a substance is represented by the following formula:

$$P = \rho g h$$

Where

P is liquid pressure

g is gravity at the surface of overlaying material

ρ is density of liquid

h is height of liquid column or depth within a substance.

As all the parts of formula are the same for needle and ship, they will face equal pressure.

Answer: equal pressure.