



5. A submarine in the Pacific Ocean cruises along at a depth of 678 m. Find (a) the pressure acting on the sub and (b) the force exerted on a hatch that measures 1.00 m by 1.50 m.

6. What is the (a) buoyant force acting on a cube of copper that measures 2.00 cm on its each side if it is immersed in water and (b) the apparent weight of the cube?