

Question#21867

when body placed on water, then how many part of body will come under the water?

Answer:

According to the Archimedes' principle:

$$\frac{\text{density of object}}{\text{density of water}} = \frac{\text{volume of object}}{\text{volume under water}}$$

$$\text{volume under water} = (\text{volume of object}) * \frac{\text{density of object}}{\text{density of water}}$$

- Such as the weight is directly proportional to the volume the given formula is applicable to the weight.