

MSC 1012 questions for Chapter 3 set 4

Buoyancy

NAME _____

- 1) A piece of wood that has a mass of 15 g and a volume of 20 mL . How much of the wood would be submerged if place in water (Density of water = 1.00 g mL^{-1})

ANS: _____

- 2) Why is it that ice floats and why is it that 92 % of a piece of ice is submerged?

ANS: _____

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1) 15 mL or 75 %

2) Ice is less dense and so 92 % is submerged