

Wet Sponge & Dry Sponge

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Question & Hypotheses

Our hypotheses were:

- 1. wet sponge is denser
- 2. wet sponge is less dense. If you took the same amount or volume of wet and dry sponge.
- 3. They're both the same
- Our question was that will the sponge have more density when it is wet than when it's dry?

Wet Sponge

- Mass 12.3
- Length (cm) 6.0325
- Width (cm) 3.81
- Height (cm) 0.79375
- Volume (cm³)
= 6.0325 x 3.81 x
0.79375 = 18.243
- Density g/cm³ 0.674



Dry Sponge

- Mass (g) 3
- Length (cm) 5.3975
- Width (cm) 3.4925
- Height (cm) 0.15875
- Volume
(cm³) = 5.3975
x 3.49285 x 0.15875
- Density g/cm³



Dry and Wet sponge Table

Mass (g)	Length (cm)	Width (cm)	Height (cm)	Volume (cm ³)	Density g/cm ³
Wet Sponge 7.8	2 3/8" 6.0325	1 9/16" 3.96875	5/16" 0.79375	= 6.0325 x 3.96875 x 0.79375 = 19	D = m/V = 7.8/19 = 0.41
Dry Sponge 1.1	2 1/8 " 5.3975	1 7/16" 3.65125	3/16" 0.47625	= 5.3975 x 3.65125 x 0.47625 = 9.4	D = m/V = 1.1/9.4 = 0.11

Wet and Dry Compressed Sponge Table

Mass (g)	Length (cm)	Width (cm)	Height (cm)	Volume (cm ³)	Density g/cm ³
Wet Sponge 12.3	2 3/8" 6.0325	1 1/2" 3.81	5/16" 0.79375	= 6.0325 x 3.81 x 0.79375 = 18.243	0.674
Dry Compressed Sponge 3.0	2 1/8" 5.3975	1 3/8" 3.4925	1/16" 0.15875	= 5.3975 x 3.4925 x 0.15875 = 2.992	1.002

Our results

- Our results were that the wet sponge was less dense than dry compressed sponge. The results seemed weird because the dry sponge was smaller that's why some people thought the wet sponge would be more dense. However, when we repeated the experiment with dry sponge, wet sponge was denser. It was very fun doing this experiment because we got our brains to work a lot.