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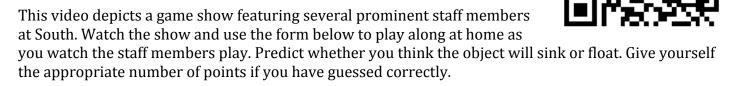
Brain Building Broadcast: Sink or Float

Watch the video located at any one of the following addresses:

http://goo.gl/4sZ66

http://vimeo.com/50257379

http://www.youtube.com/watch?v=gTel-ahWYCs&feature=g-all-u



Round 1

Object	Circle Your Prediction	Point Value	Circle the Result	Your Current Score
Rubber Ducky	Sink / Float	100 Pts.	Sink / Float	
Golf Ball	Sink / Float	100 Pts.	Sink / Float	
Basket Ball	Sink / Float	100 Pts.	Sink / Float	

1. (Multiple-Choice) Based on the commercial break, you can remember the equation for density by saying "I ♥ density!" What is the equation for density?

a.
$$\frac{Volume}{Mass} = Density$$

b. $Mass \times Volume = Density$

c.
$$\frac{Mass}{Volume} = Density$$

d. $Volume \times Mass = Density$

Round 2

Object	Circle Your Prediction	Point Value	Circle the Result	Your Current Score
Wiffle Ball	Sink / Float	200 Pts.	Sink / Float	
Can of Pepsi	Sink / Float	200 Pts.	Sink / Float	
Can of Diet Pepsi	Sink / Float	200 Pts.	Sink / Float	

- 2. (Multiple-Choice) You pull the cork out of a bottle of sparking grape juice. The cork has a volume of 12 cm³ and it has a mass of 3 grams. What is the density of the cork?
 - a. 4 g/cm³
 - b. .25 g/cm³
 - c. 15 g/cm³
 - d. 9 g/cm³

Final Round

Object	Circle Your Prediction	# of Points You Will Risk	Circle the Result	Your Final Score
Bowling Ball	Sink / Float		Sink / Float	

- 3. (Circle the correct bold words) Objects that sank have a density (**greater than / less than**) water.
- 4. Circle *all* the objects from the game show that have a *density less than water*.

Rubber Duck Diet Pepsi

Golf Ball Wiffle Ball

Basketball Bowling Ball

Pepsi