Sink or Float?

Name _____ Date _____

Do the free online lab first: pinkchalkclassroom.com/science-lab/sink-or-float.html

1. Predict, then test in the lab. Tick F (float) or S (sink) each time.

 **Cork**	 **Wood**	 **Apple**	 **Ice**	 **Candle**	 **Egg**	 **Pebble**	 **Coin**	 **Bolt**
Predict ☐F ☐S	Predict ☐F ☐S	Predict ☐F ☐S	Predict ☐F ☐S	Predict ☐F ☐S	Predict ☐F ☐S	Predict ☐F ☐S	Predict ☐F ☐S	Predict ☐F ☐S
Result ☐F ☐S	Result ☐F ☐S	Result ☐F ☐S	Result ☐F ☐S	Result ☐F ☐S	Result ☐F ☐S	Result ☐F ☐S	Result ☐F ☐S	Result ☐F ☐S

2. The apple (160 g) floated. The coin (4.5 g) sank. Explain why heavy things can float.

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_____

3. How did you make the egg float? Why did it work?

_____

_____

4. Density = mass ÷ volume. Pebble: 53 g, 20 cm³ → density = _____ g/cm³ Sinks or floats? _____

5. Wood: 32 g, 64 cm³ → density = _____ g/cm³. Water is 1.0 g/cm³, so the wood _____.

6. Cut an apple in half. Will each half float or sink? Why?

_____

_____

7. Most of a floating ice cube is (circle one): above the water under the water

★ Want more practice? Get the full Density pack on TPT: Pink Chalk by Ms Nagina

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