

PROPERTIES OF MATTER: DENSITY

Fill out the questions below as you progress through the Properties of Matter: Density lesson and slideshow.

1. Watch the video. What do you notice?

2. Fill in the chart below with the differences between matter and energy.





Energy

EXPERIMENT TIME:

3. Hypothesize what will happen when you combine the six liquids.

I predict that _____

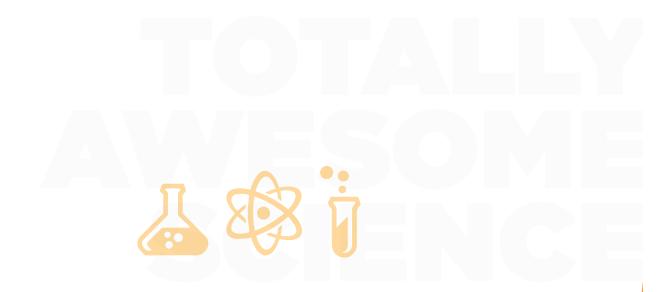
4. Draw what your mixture looks like below.



5. Check the boxes with "sink" or "float" based on your predictions. Then check the box after you test the results.

	Prediction		Test It!	
	Sink	Float	Sink	Float
Object 1				
	Sink	Float	Sink	Float
Object 2				
	Sink	Float	Sink	Float
Object 3				
6. Once you put the object in the density tower, it will land between two liquids. Can you describe the density?				
Object 1 is more	e den	se than		
but less dense than				
Object 2 is more dense than				
but less dense than				
Object 3 is more dense than				
but less dense	than .			

7. Rewatch the video from the beginning of the lesson. Can you describe what is happening? Can you describe it using the word "density?"



Here's what I did today!

Today I visited the virtual PROMISE laboratory at Sanford Research. I learned that density can be used to describe matter. If something is very dense, it has many atoms packed closely together. I created a density tower out of different liquids and I saw that each liquid had a different density. I also learned that plastics are separated by density and that doctors can use density to separate different parts of our blood.