**Follow the directions below for the density web quest- complete sentences- ink**

 1.       What is [mass?](http://www.slideshare.net/science619/mass-volume-weight-and-density)

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2.       What is [volume](http://www.slideshare.net/science619/mass-volume-weight-and-density)?

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3.       How is [mass different than weight](http://www.nyu.edu/pages/mathmol/textbook/weightvmass.html)?

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4.      What tool do you use [to measure mass](http://www.slideshare.net/science619/mass-volume-weight-and-density)?  What do you label mass?

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5.       What **tools** can you use to [measure volume](http://www.slideshare.net/science619/mass-volume-weight-and-density) (you may need to use more than one slide)?  What do you label volume (2 ways)?

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6.       Define density without using the words mass or volume in the definition.

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7.       What are the three ways to [calculate density](http://www.meracalculator.com/physics/classical/density-calculation.php)?

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8.      [How can knowing the density of an object help us identify what the object is made of?](http://www.ehow.com/how-does_5187289_density-used-identify-substances_.html)

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9.    [What is the density of water?](http://chemistry.about.com/od/waterchemistry/f/What-Is-The-Density-Of-Water.htm)

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10.    How does knowing the [density of water help us in the science class?](https://www.youtube.com/watch?v=SimFy9wOMXY)

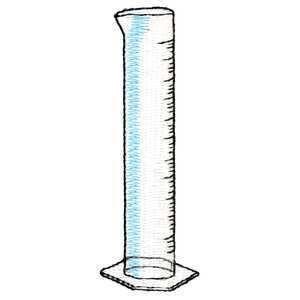
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11.    Why would a cherry put in a glass of liquid rise to the surface of the glass? (use previous knowledge to make a hypothesis)

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12.   What conclusion can you make about the cherry and its density mentioned in question #11?

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13.   Assuming the following items don’t mix, stack them in the graduated cylinder below by writing them next the cylinder in order by the way they [](http://www.ehow.com/how-does_5187289_density-used-identify-substances_.html)would line up.

a  water 1g/mL

b. ice .92g/mL

c. corn syrup 1.38 g/mL

d. corn oil .93 g/mL

e. steel 7.81g/mL

f. wood .85 g/mL

g. rubber 1.34 g/mL

   14.    [Describes what happens to a matters density as its volume changes or its mass changes?](http://www.scienceclarified.com/everyday/Real-Life-Chemistry-Vol-1/Mass-Density-and-Volume-How-it-works.html)  Does its density change?   Why or why not?  Do you have proof?

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15.    What takes up more space, a pound of feathers or a pound of lead?  (think about it)

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16.   Which has more mass…the feather or the lead? (think about it)

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17.    Name at least two things you use in your [everyday life](https://www.reference.com/world-view/density-affect-everyday-life-eadd6a05012ce94b) that density plays an import piece of their life.  Be sure to tell why it is important.

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18.    If an object has [more molecules](http://www.school-for-champions.com/science/density_factors.htm#.WAjW0MmYGMM) it is said to be

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And one has [less](http://www.school-for-champions.com/science/density_factors.htm#.WAjW0MmYGMM) it is said to be

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19.    What is your weight on Jupiter?  What is your weight on Earth?  [Why are they different?](https://www.nyu.edu/pages/mathmol/textbook/weightvmass.html)  (in pounds)

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20.      The remaining time can be spent on science page sites.