

Model of Matter    Home Learning 3    Fri 8<sup>th</sup> May give or take a day or two.

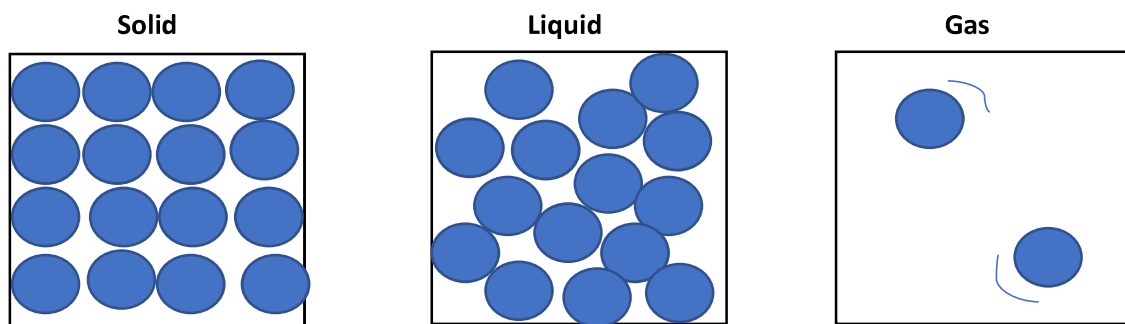
The Answers!

Model of Matter    Home Learning 1

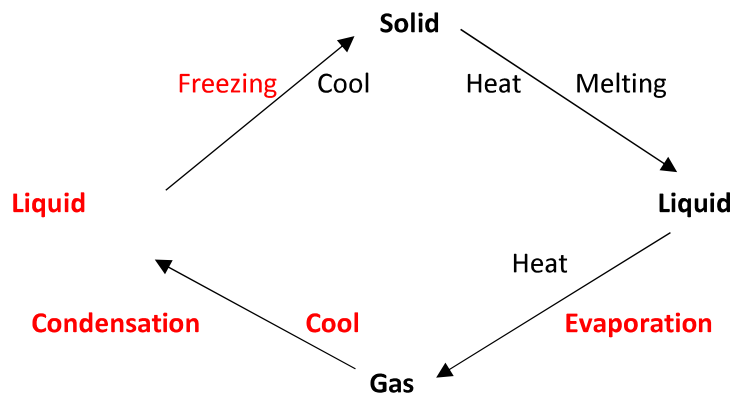
1.

	Solid	Liquid	Gas
Arrangement of particles	Nice neat rows	Randomly arranged	Randomly arranged
Movement of particles	Vibrate around a fixed position	Move around each other	Move quickly in all directions
Closeness of particles	Touch each other, close together	Touch each other, close together	Large spaces, far apart

2.



3.

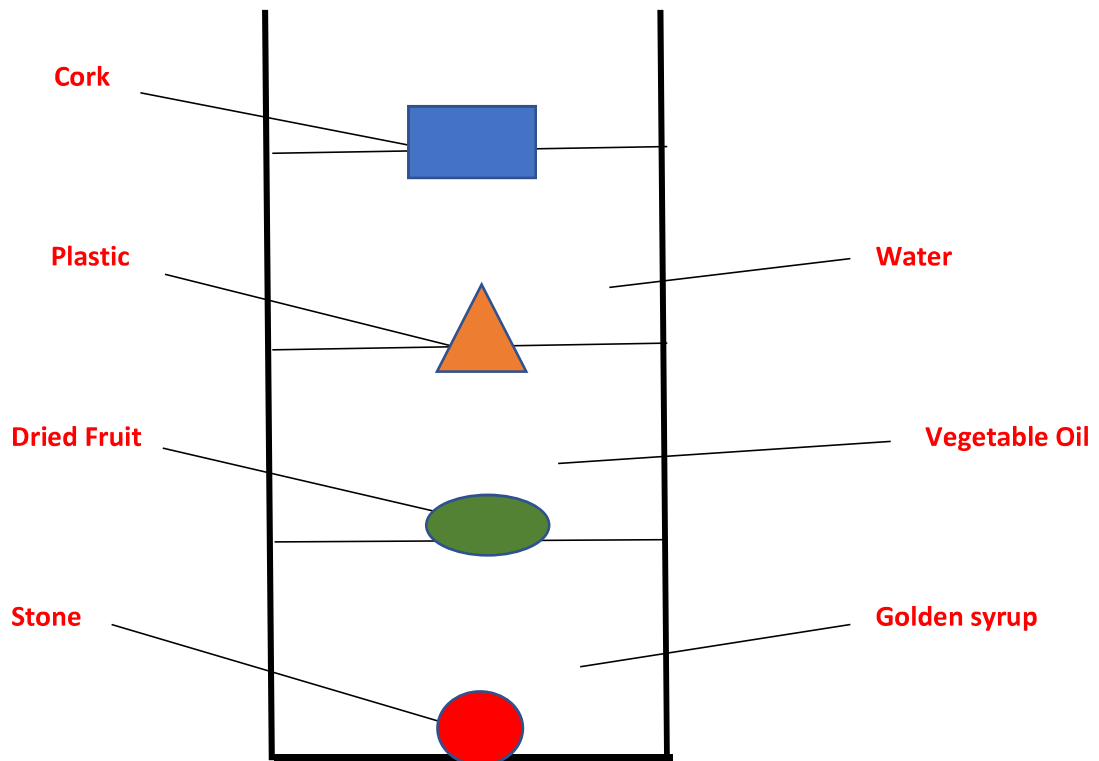


Model of Matter

Home Learning 2

- Solvent** - a substance able to dissolve other substances.
- Solute** - the minor component in a solution, the substance which is dissolved.
- Dissolve** - mixes with a liquid so as to form a solution.
- Solution** - a liquid mixture in which the minor component (the solute) is uniformly distributed within the major component (the solvent).
- Saturated solution** - a solution which has as much solute dissolved in it as possible.

### Experiment 3. – Stacking Liquids



- |                        |                      |
|------------------------|----------------------|
| <b>Highest Density</b> | <b>Stone</b>         |
|                        | <b>Golden syrup</b>  |
|                        | <b>Dried fruit</b>   |
|                        | <b>Vegetable oil</b> |
|                        | <b>Plastic</b>       |
|                        | <b>Water</b>         |
| <b>Lowest Density</b>  | <b>Cork</b>          |

N.B. – Your results might be slightly different from those above depending on the type of plastic and dried fruit you used.