















Lesson 1 - Acids and Alkalis

Starter – Link the hazard symbols to the correct label and description.

Old hazard symbol	New hazard symbol	Name	Description
1 		Corrosive	This may dissolve or burn materials, including skin
2 		Health hazard (Harmful)	This includes irritants, harmful substances, and some low-hazard substances
3 		Explosive	This contains dangerous organisms such as bacteria
4 		Flammable	This can be poisonous and possibly deadly
5 		Toxic	This may explode
6 		Caution (Irritant)	This can catch fire easily

An **acid** is

.....

.....

An **alkali** is

.....

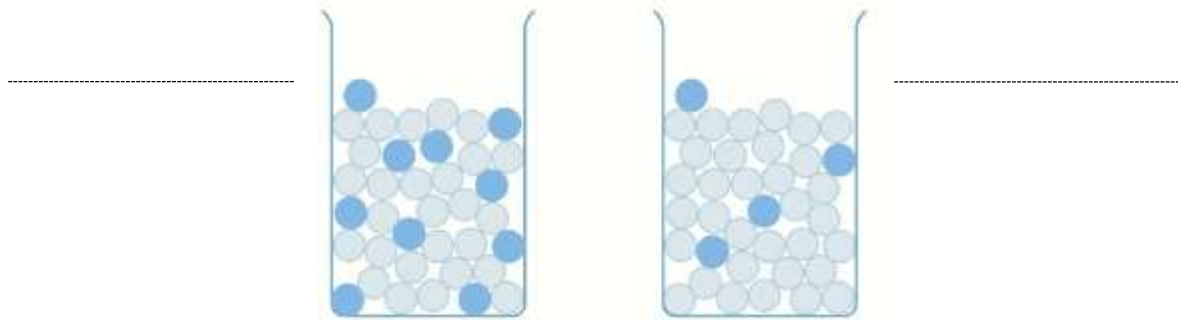
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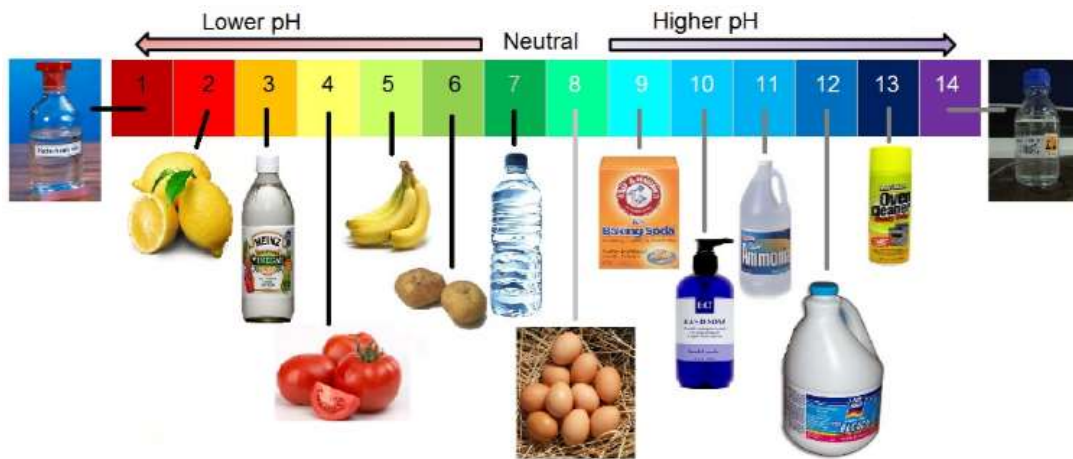
A **concentrated solution** is.....
.....
.....

A **dilute solution** is.....
.....
.....

Label the concentrated and dilute solutions on the diagrams below...



Testing for acids and alkalis



The pH scale allows us to measure how acidic or alkaline a solution is.

Acids have a pH of less than

Alkalis have a pH of greater than

A **Neutral** pH is An example of this would be