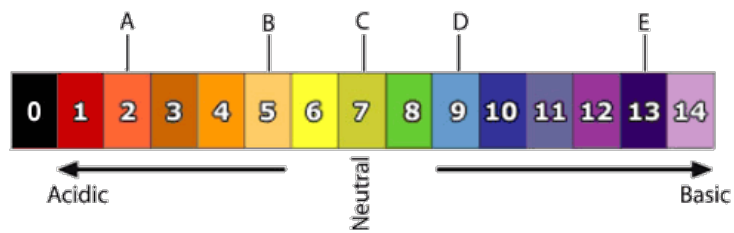


Acidic, basic, or neutral

This task assesses your ability to use a pH scale.

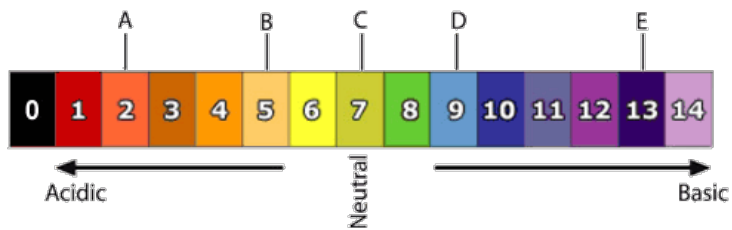


The pH scale measures how acidic or basic a substance is.

Jane used universal indicator to find the pH of some common substances. Here are her results.

Put the substances she tested into the group where they belong.

Battery acid pH 2	Lemon juice pH 3	Rain water pH 6.5	Tea pH 5	Distilled water pH 7
Salt water pH 7	Blood pH 7.5	Dishwasher powder pH 11	Oven cleaner pH 10	
Shampoo pH 8				
Acidic	Neutral	Basic		



The arrows in the diagram of the pH scale show the direction of increasing strength for acids and bases.

Substances tested	pH
Tea	5
Dishwasher powder	11
Distilled water	7
Lemon juice	3
Battery acid	2
Oven cleaner	10
Salt water	7
Shampoo	8
Blood	7.5
Rainwater	6.5

From the substances shown which substance is the most **basic**?

*Tea pH 5 | Dishwasher powder pH 11 | Distilled water pH 7 | Lemon juice pH 3 | Battery acid pH 2
| Oven cleaner pH 10 | Salt water pH 7 | Shampoo pH 8 | Blood pH 7.5 | Rainwater pH 6.5*

From the substances shown which substance is the most **acidic**?

*Tea pH 5 | Dishwasher powder pH 11 | Distilled water pH 7 | Lemon juice pH 3 | Battery acid pH 2
| Oven cleaner pH 10 | Salt water pH 7 | Shampoo pH 8 | Blood pH 7.5 | Rainwater pH 6.5*

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