

ACIDS BASES AND SALTS

QUESTION BANK

1	<p>What is the test for acids and bases using litmus paper?</p> <p>Answer: Acids turn blue litmus paper red while bases turn red litmus paper blue.</p>
2	<p>What name is given to those substances which do not change the colour of either red or blue litmus paper?</p> <p>Answer: The solutions or substances which do not change the colour of either red or blue litmus paper are neutral.</p>
3	<p>Write the name of two indicators which occur naturally.</p> <p>Answer: Turmeric and China rose</p>
4	<p>Name the acid present in lemon juice and tomato.</p> <p>Answer: Citric acid in lemon juice and oxalic acid in tomato</p>
5	<p>Name a substance which is used to cure the discomfort caused by indigestion due to over eating.</p> <p>Answer: Milk of magnesia which contains magnesium hydroxide (base) is used to neutralise the effect of excessive acid in stomach.</p>
6	<p>Why does a turmeric stain on white shirt is turned to red when it is washed with soap?</p> <p>Answer: Turmeric stain on white shirt is turned to red when it is washed with soap because the soap solution is basic in nature.</p>
7	<p>Is lime water an acidic or basic solution?</p> <p>Answer: Lime water (calcium hydroxide) is a basic solution.</p>
8	<p>Name the reaction when an acid is mixed with base.</p> <p>Answer: Neutralisation reaction.</p>
9	<p>Name the salt formed when hydrochloric acid reacts with sodium hydroxide solution (a base).</p> <p>Answer: When hydrochloric acid reacts with sodium hydroxide solution, then sodium chloride salt is formed.</p>
10	<p>Write two basic substances which we use in our daily life.</p> <p>Answer:</p> <ul style="list-style-type: none">• Baking soda• Soap or detergent

11	Name one indicator which turns red on adding an acid. Answer: Litmus (blue litmus paper)
12	Name one indicator which turns red on adding a base. Answer: Turmeric
13	Write the characteristics of acids by which we can identify acids. Answer: Characteristics of acids are They are sour in taste. They turn blue litmus paper/solution to red. Dilution of acid in water is an exothermic reaction, i.e. heat energy is evolved.
14	What is a salt? Name any salt and give their formulae. Answer: A substance formed by the neutralisation of an acid with a base is called salt. Salt may be acidic, basic or neutral in nature.
15	What is the chemical name of baking soda? (a) Sodium acetate (b) Sodium bicarbonate (c) Sodium sulphate (d) None of the above Answer: (b) Sodium bicarbonate
16	Baking soda turns _____. (a) Blue litmus red (b) Red litmus blue (c) Both (a) and (b) (d) None of the above Answer: (a) Blue litmus red
17	Which of the following substances turns a red litmus blue? (a) Acidic (b) Basic (c) Both (a) and (b) (d) None of the above Answer: (b) Basic
18	Which of the following substances turns a blue litmus red? (a) Acidic (b) Basic (c) Both (a) and (b) (d) None of the above Answer: (a) Acidic

19	<p>A base has _____.</p> <p>(a) A bitter taste (b) A sour taste (c) Both (a) and (b) (d) None of the above</p> <p>Answer: (a) A bitter taste</p>
20	<p>An acid has _____.</p> <p>(a) A bitter taste (b) A sour taste (c) Both (a) and (b) (d) None of the above</p> <p>Answer: (b) A sour taste</p>
21	<p>Which of the following is not an indicator?</p> <p>(a) Methyl orange (b) Antacid pill (c) Both (a) and (b) (d) None of the above</p> <p>Answer: (b) Antacid pill</p>
22	<p>Nitric acid turns red litmus paper blue.</p> <p>Answer: False</p>
23	<p>Sodium hydroxide turns blue litmus red.</p> <p>Answer: False</p>
24	<p>Sodium hydroxide reacts with ammonia to form salt and water.</p> <p>Answer: False</p>
25	<p>An indicator is a substance which gives different colours with acidic and basic solutions.</p> <p>Answer: True</p>
26	<p>An antacid is acidic in nature.</p> <p>Answer: False</p>
27	<p>Acetic acid is present in vinegar.</p> <p>Answer: True</p>
28	<p>Sodium hydroxide reacts with hydrochloric acid to form sodium chloride and water.</p> <p>Answer: True</p>
29	<p>Mineral acids are _____ acids.</p> <p>Answer: Laboratory</p>
30	<p>Bases are _____ to touch.</p> <p>Answer: Soapy</p>
31	<p>The acids such as hydrochloric acid, sulphuric acid and nitric acid are known as _____ acid.</p> <p>Answer: Mineral</p>
32	<p>The substance that tastes sour and turns blue litmus red is known as _____.</p> <p>Answer: Acid</p>
33	<p>The substance that tastes bitter and turns red litmus blue is known as _____.</p> <p>Answer: Base</p>
34	<p>The substance formed from a neutralisation reaction between an acid and a base is _____ and _____.</p> <p>Answer: Salt and water</p>

35	The substance which turns red litmus blue is known as _____. Answer: Base
36	The substance which turns blue litmus red is known as _____. Answer: Acid

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