Education with Fun

Name: _____ Date: _____

Acids, Bases and Salts

Q1. State True (T) or false (F).

i. Nitric acid turns red litmus blue. _____

ii. Sodium hydroxide turns blue litmus red. _____

iii. Sodium hydroxide and hydrochloric acid neutralise each other and form salt and water. _____

iv. Indicator is a substance which shows different colours in acidic and basic solutions. _____

v. Tooth decay is caused by the presence of a base. _____

vi. If an indicator changes colour with a base, it does not change colour with an acid. _____

Q2. Fill in the blanks.

i. Change of colour in an acid and a base depends on the type of the _____.

ii. Acid turns _____litmus red.

iii. Bases turn _____litmus blue.

iv. Litmus has a _____colour in distilled water.

v. In neutralisation reaction a new substance is formed. This is called_____.

vi. Lemon juice is _____in nature.

Q3. What is acid rain?

Ans. _____

Q4. Which acid naturally present in our stomach?

Ans. _____

Q5. What is the role of hydrochloric acid in the stomach?

Ans. _____

Acids, Bases and Salts

Q1. State True (T) or false (F).

i. Nitric acid turns red litmus blue. False
ii. Sodium hydroxide turns blue litmus red. False
iii. Sodium hydroxide and hydrochloric acid neutralise each other and form salt and water. True
iv. Indicator is a substance which shows different colours in acidic and basic solutions. True
v. Tooth decay is caused by the presence of a base. False
vi. If an indicator changes colour with a base, it does not change colour with an acid. False

Q2. Fill in the blanks.

i. Change of colour in an acid and a base depends on the type of the indicator.
ii. Acid turns blue litmus red.
iii. Bases turn red litmus blue.
iv. Litmus has a mauve (purple) colour in distilled water.
v. In neutralisation reaction a new substance is formed. This is called salt.
vi. Lemon juice is acidic in nature.

Q3. What is acid rain?

Ans. The rain containing excess of acids is called an acid rain.

Q4. Which acid naturally present in our stomach?

Ans. Hydrochloric acid (HCl)

Q5. What is the role of hydrochloric acid in the stomach?

Ans. Hydrochloric acid (HCl) helps us to digest food.