

Name: _____ Date: _____

Acids, Bases and Salts

Q1. Calamine solution is applied on the skin when an ant bites. Give reason.

Ans. _____

Q2. Name the source from which litmus solution is obtained. What is the use of this solution?

Ans. _____

Q3. Why we take an antacid tablet when we suffer from acidity?

Ans. _____

Q4. Explain the process of neutralisation with the help of an example.

Ans. _____

Acids, Bases and Salts

Q1. Calamine solution is applied on the skin when an ant bites. Give reason.

Ans. When an ant bites, it injects the acidic liquid (formic acid) into the skin. The effect of the acid can be neutralised by rubbing moist baking soda (sodium hydrogen carbonate) or calamine solution, which contains zinc carbonate.

Q2. Name the source from which litmus solution is obtained. What is the use of this solution?

Ans. Litmus solution is extracted from lichens. It is most commonly used natural indicator. It has a mauve (purple) colour in distilled water. When added to an acidic solution, it turns red and when added to a basic solution, it turns blue.

Q3. Why we take an antacid tablet when we suffer from acidity?

Ans. Our stomach contains hydrochloric acid. It helps us to digest food. But too much of acid in the stomach causes indigestion. Sometimes indigestion is painful. To relieve indigestion, we take an antacid such as milk of magnesia, which contains magnesium hydroxide. It neutralises the effect of excessive acid.

Q4. Explain the process of neutralisation with the help of an example.

Ans. The reaction between an acid and a base is known as neutralisation. Salt and water are produced in this process with the evolution of heat.



(Heat is evolved)

The following reaction is an example:

