

Science Worksheet Class VII
Acids Bases and Salts

- Ammonia is found in many household products, such as window cleaners. It turns red litmus blue. What is its nature?
- State few properties of acids.
- Fill in the blanks:
 - _____ and _____ acids are present in vinegar and lemon.
 - In distilled water, litmus paper turns into _____
 - Water molecules present in salts are known as _____
 - Bases are generally _____ in touch.
 - Phenolphthalein becomes colourless in _____ and pink in _____
 - _____ is the colour of methyl orange in acidic solution.
 - Aqueous solution of sodium chloride (NaCl) is known as _____
 - Salts containing water molecules in their crystal form are called _____
- State few properties of acids and bases.
- What happens in the stomach when we eat very spicy food?
- Name the source from which litmus solution is obtained. What is the use of this solution?
- How does soil become too acidic in nature?
- Give examples of some acids and bases.
- How are acids helpful in maintaining our good health?
- Is the distilled water acidic/basic/neutral? How would you verify it?
- Define indicators along with examples.
- What are the organic acids? Name any two organic acids.
- Describe the process of neutralization with the help of an example.
- Mark 'T' if the statement is true and 'F' if it is false:
 - Nitric acid turns red litmus blue. (T/F)
 - Sodium hydroxide turns blue litmus red. (T/F)
 - Sodium hydroxide and hydrochloric acid neutralize each other and form salt and water. (T/F)
 - Indicator is a substance which shows different colours in acidic and basic solutions. (T/F)
 - Tooth decay is caused by the presence of a base. (T/F)
- What is the use of litmus test?
- Explain why:
 - An antacid tablet is taken when you suffer from acidity.

- b. Calamine solution is applied on the skin when an ant bite.
 - c. Factory waste is neutralized before disposing it into the water bodies.
17. Explain the nature of distilled water.
18. If you are provided with three colourless solutions dil. NaOH, Water and dil. HCl, then how will you identify water from them without testing?
19. Blue litmus paper is dipped in a solution. It remains blue. What is the nature of the solution?
20. Explain the following:
- a. Calamine lotion is applied on bee stings.
 - b. Antacid are taken in case of acidity in stomach.
 - c. Slaked lime is added to factory waste before it is discharged into rivers.

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