

A. Choose a correct answer:

1. A neutralisation reaction between a strong acid and weak base forms:

- (a) an acidic salt
- (b) a basic salt
- (c) a neutral salt
- (d) a salt

2. Which of the following is a property of an acid?

- (a) Sour taste
- (b) Sweet taste
- (c) Bitter taste
- (d) Salty taste

3. Manure is added when the soil is too

- (a) acidic
- (b) basic
- (c) neutral
- (d) none of these

4. Which of the following is a strong acid?

- (a) Nitric acid
- (b) Citric acid
- (c) Acetic acid
- (d) Tartaric acid

5. The acid produced naturally in our stomach is :

- (a) tartaric acid
- (b) citric acid

(c) hydrochloric acid

(d) sulphuric acid

6. Which of the following is a strong base?

(a) Calcium hydroxide

(b) Sodium hydroxide

(c) Sodium carbonate

(d) Ammonium hydroxide

7. With which of the following 'Milk of Magnesia' be reacted so as to have neutralisation reaction?

(a) Baking soda

(b) Vinegar

(c) Ammonia solution

(d) Quicklime

B. Fill in the blanks with suitable words

1. The reaction between an acid and a base is called _____.

2. _____ is used to tell whether a material is acidic or basic.

3. Bases turn purple cabbage juice to _____.

4. Acid turns _____ litmus to _____.

5. Acid + Base + _____, _____ + water.

6. Hydrochloric acid + Sodium hydroxide _____ + water.

C. Very Short Answer Type Questions.

1. Write the name of one natural indicator and one synthetic indicator.

2. What colour do the following indicators turn when added to a base?

(a) Litmus solution

(b) China rose indicator

(c) Turmeric paper

(d) Phenolphthalein

4. Name one indicator which turns red on adding a base?

5. Name two strong acids and two strong bases.
6. Which chemical is injected by an ant, when it stings to one's hand?
7. Which chemical is known as the king of acids?
8. Give one characteristic property of acids.
9. Write one characteristic property of bases