

Date 29/5/20 H. W

Class 7th

English

Answers of exercise -1

Answers:

1. Exclamatory sentence.
2. Declarative sentence(affirmative sentence).
3. Interrogative sentence.
4. Declarative sentence(negative sentence).
5. Interrogative sentence.
6. Declarative sentence(affirmative sentence).
7. Declarative sentence(affirmative sentence).
8. Exclamatory sentence.
9. Imperative sentence.
10. Declarative sentence. (Negative sentence).

Exercise -2

Identify the subject and predicate in following sentences:

1. John works hard.
2. I like to read books.
3. My dress is beautiful.
4. The sun sets in the west.
5. Raghu has come first in the race.
6. The foolish crow tried to be the peacock.
7. The naughty boys played a prank on their new friend.
8. Her new dress looks beautiful.

Maths

- 1.) Find the sum of the first 10 positive integer.
- 2.) Find the sum of the first 6 negative integer.
- 3.) Define laws of Integer with example.
- 4.) Prove that all whole numbers are Integer

Science

Q1. What are bases? What are their physical properties?

Ans:Bases are substances that have a soapy feel and bitter taste. Bases help in neutralizing the acidity by forming salt and water.

Like acids, bases can also be strong and weak. Sodium hydroxide and potassium hydroxide are strong bases which can burn our skin; but magnesium hydroxide and copper hydroxides are weak bases, and safe to handle even in their concentrated state.

Some of the properties of bases are listed below:

1. Most of the bases are metal hydroxides.
2. They are bitter in taste.
3. They are soapy in touch.
4. They turn red litmus blue.

5. Their reaction with acids gives salt and water.

Q2. Give two main uses each of

(a) calcium hydroxide

(b) ammonium hydroxide

(c) sodium hydroxide

Ans: Two important uses of each base are stated below:

(a) Calcium hydroxide [ $\text{Ca}(\text{OH})_2$ ]:

1. It is used to whitewash buildings; it is also used as an alternative to cement in low-budgeted construction.

2. It is also used to neutralise the acidity of soil. Because of the over usage of chemical fertilisers, soil becomes acidic and hence largely affects the growth of crops. Thus, calcium hydroxide is added to the soil to neutralise its acidity, thereby ensuring the healthy growth of the crops.

(b) Ammonium hydroxide ( $\text{NH}_4\text{OH}$ ):

1. It is widely used to produce fertiliser like ammonium nitrate.

2. It is also used to produce nylons, plastics, dyes, etc.

(c) Sodium hydroxide ( $\text{NaOH}$ ):

1. It is extensively used in the production of soaps.

2. It is used to produce various medicines, rayon, paper, etc.

Q3. Which base will you take as medicine, if you are having a stomachache due to indigestion?

Ans: -Magnesium hydroxide is the base (antacid) which can be used as a medicine to cure stomach pain due to indigestion, and neutralizes the effect of acidity of the stomach. It is also called the milk of magnesia.