

Multiple choice questions

1. Magnesium burns to form
(a) Calcium bicarbonate (b) magnesium oxide (c) magnesium chloride
(d) magnesium sulphate
2. Name the chemical process in which substance reacts with oxygen to give out heat
(a) Reaction (b) junction (c) combustion (d) evaporation
3. The substance that undergoes combustion is said to be
(a) Burning (b) flame (c) charcoal (d) combustible
4. Combustible substances are also known as
(a) inflammable (b) Flammable (c) illuminous (d) non-illuminous
5. Lowest temperature at which a substance catches fire is known as
(a) burning temperature (b) ignition temperature (c) lowest temperature
(d) flaming temperature

Fill in the blanks.

1. Inflammable substances have a very low _____ temperature.
2. Fuel may be solid, liquid or _____
3. The most common element used as fire extinguisher is _____.
4. _____ is an example of inflammable substances.
5. Lowest temperature at which a substance catches fire is called a _____.
6. _____ bacteria is present in leguminous plants.
7. _____ is a traditional method of irrigation.
8. Compost is a _____.
9. Watering the crops is called _____.
10. Plants of one kind grown at a one place on a large scale is called _____

Answer the following questions.

1. What is mixed cultivation and how it is done?
2. What is animal husbandry? Give two examples of animals that are reared in farms and the products obtained from them.
3. Write about any two agricultural implements?
4. Name the bacteria which does nitrogen fixation.
5. Write the uses of coal.
6. What are fossil fuels? Give examples.
7. How is coal formed and what is that process called?
8. What are different products obtained from coal.
9. What are the uses of coal tar?
10. Why CNG and LPG considered as better fuel.
11. Name petroleum product used for surfacing of road.
12. What are the different agricultural practices done by the farmers?
13. In an experiment 4.5 kg of fuel was completely burnt. The heat produced was measured to be 180,000 kg. Calculate the calorific value of the fuel.
14. What are the necessary conditions for combustion.

Give reasons for the following

1. Neem leaves are kept in grains when they are stored.
2. Seeds are soaked in water to select the good quality seeds.
3. Grains are dried under sun before storing them.
4. Seed should be sown in appropriate depth in the soil.
5. LPG is better fuel then wood.

Multiple choice questions

1. The practice of growing two different crops in a same field one after the another is called
(a) Tilling (b) ploughing (c) crop rotation (d) mixed cropping
2. The unwanted plants that grow along with the crops is called
(a) Manure (b) weeds (c) kharif crop (d) fertilizer
3. Which of the following is an example of rabi crop?
(a) Potato (b) onion (c) jute (d) pulses
4. The method of loosening of soil is called?
(a) Harvesting (b) ploughing (c) levelling (d) threshing
5. The process of beating out grains from the harvested wheat crop is called
(a) Beating (b) crushing (c) threshing (d) winnowing

Fill in the blanks

1. Plants of one kind grown at a one place on a large scale is called _____.
2. _____ is a simple tool used for removing weeds and for loosening of soil.
3. A common weed that grown among the soil is _____.
4. _____ crops are sown in winter season.
5. The process of removing weed is called _____.
6. Leguminous plants fix _____ in the soil.
7. _____ bacteria is present in leguminous plants.
8. _____ is a traditional method of irrigation.
9. Compost is a _____.
10. Watering the crops is called _____.

Give reasons for the following.

1. Water is not used to extinguish fire caused by electrical equipment.
2. Goldsmith use outermost zone of the flame for melting gold and silver.
3. Anthracite is the best quality of coal.
4. It is easy to burn heap of dry grass compared to green grass.
5. Carbon dioxide is able to control fire.

Answer the following

1. What is combustion? Which gas is used in this process?
2. What is ignition temperature? Give the ignition temperature of wood.
3. What are different types of combustion? Give examples.
4. Why CNG and LPG are considered as better fuel.
5. What are inflammable substances? Give examples.
6. What happens when a magnesium ribbon is burned?

NOTE- EVERY STUDENT HAS TO MAKE A SCIENCE WORKING MODEL AND DO THE FOLLOWING PROJECT.

Roll no. 1-12:

SYNTHETIC FIBRES- In a project file write about the different types of synthetic fibres, how they are prepared, their advantages and disadvantages and their uses. Stick the pieces of different types of fabrics.

Roll no. 13-24:

VACCINATION CHART- Make a vaccination chart of a new-born baby till 15 years. Write the name of the vaccines given to the child during this period. Also mention the diseases for the respective vaccines. Also make a height and weight graph.

Roll no. 25- 40:

WILDLIFE SANCTUARY- Write about any 5 wildlife sanctuaries/ national parks. Find out the location, area covered, year of establishment and list the animals protected there. And write about the environment provided to them.