

CHRIST KING HIGHER SECONDARY SCHOOL, KOHIMA
CLASS – 5
SUBJECT – SCIENCE
3rd TERM 2020

CHAPTER – 12
NATURAL DISASTER

A. Tick (✓) mark the correct answer.

Answer :

1 . (d) 2. (c) 3. (a) 4. (b)

B. Answer these questions.

Q 1. What is a Volcano?

Ans : A Volcano is an opening in the ground that spits out hot gases, rocks and lava .

Q 2. How does a volcano erupt?

Ans; A volcano erupts when the pressure on a magma chamber forces the magma up through the conduit and out of the volcano's vents.

Q 3. How many types of volcanoes are there?

Ans; There are four types of volcanoes. They are:

- (i) Active volcanoes
- (ii) Intermittent volcanoes
- (iii) Dormant volcanoes
- (iv) Extinct volcanoes

Q 4. What are the effect of volcanoes ?

Ans : The effects of volcanoes are most destructive. They endanger human lives and cause significant changes in the atmosphere.

Q 5. What is an earthquake ?

Ans; A sudden shake or jerk on the earth's surface is called an earthquake.

Q 6. What are the main causes of earthquake ?

Ans : The main cause of the earthquake is the shuffling of the plates inside the earth's crust. There are about 20 plates along the surface of the earth that move continuously and slowly past each other.

Q 7. Describe the destructive effects of earthquake

Ans ; The destructive effects of earthquake are :

- (i) the energy released from an earthquake is 10, 000 times more powerful than the first atom bomb.
- (ii) it can cause tsunami and pose severe danger to life and property.

Q 8. What is a seismograph?

Ans : A seismograph is a measuring instrument used for recording the intensity, direction and duration of an earthquake.

Q9. What is tsunami and when does it occur ?

Ans ; A tsunami is a series of huge waves that can cause great devastation and loss of life when they strike a coast. Tsunami occurs when there is an underwater earthquake , a volcanic eruption , a sub- marine rockslide , or an asteroid or meteoroid crashing into the water from space.

C. Fill in the blanks with correct words. (page no – 134)

Answer:

1. Vent
2. Crater
3. Active
4. Earthquake
5. Charles F. Richter
6. Pacific ocean

**CHAPTER -13
NATURAL RESOURCES**

A. Tick ($\sqrt{\quad}$) mark the correct answer .

1. Which of these is not a natural resource of earth ?

- a. Soil () b. Water () c. Air () d. Plastic ($\sqrt{\quad}$)

2. Which of these is not a non – renewable source ?

- a. Petroleum () b. Mineral () c. Soil () d. Water ($\sqrt{\quad}$)

3. Loss of top layer of soil by wind or water is called afforestation .

- a. afforestation () b. soil erosion ($\sqrt{\quad}$) c. soil conservation () d. terrace farming ()

4. Hydroelectric energy is produced by wind .

- a. fast flowing water ($\sqrt{\quad}$) b. wind () c. sun () d. animals waste ()

5. Biomass energy is produced by fast flowing water .

- a. plant and animal waste ($\sqrt{\quad}$) b. fast flowing water () c. sunlight () d. wind ()

Q B. Answer these questions:

1. What is meant by natural resources?

Ans:- Anything that we take from nature for our use is called natural resource.

2. Differentiate between renewable and non – renewable natural resources.

Ans:- Renewable resources are those that never get over, like water in ocean, sunlight, air etc. Non – renewable resources are those that do not form again in nature so quickly, like petroleum oil, minerals, soil etc.

3. Give any two methods of soil conservation.

Ans:- The two methods of soil conservation are:

- (I). Planting of trees and (II). Terrace farming.

4. Why is it important to conserve water?

Ans:- Water is a renewable resource though 70 -75% of the earth is covered with water, yet a large part of water is salty and does not serve the purpose of drinking ,and it needs to treat rough water into drinkable water therefore it is important to conserve water.

5. How are forest important to us?

Ans:- Forest are important to us as they use up carbondioxide and produce energy. Forest provide us wood and timber for various activities. Forest maintain a balance between humans and animals.

6. Give any two conservation methods of forests.

Ans:- The two methods of forest conservation are:

- (I). Afforestation, which means planting of trees in large number; and (II) Preventing overgrazing.

7. How can we save fossil fuels judiciously?

Ans:- Fossil fuels are non – renewable resources. We can conserve fossil fuel in the following ways:

- (I) Switching off fans and lights when not in use.
- (II) Switching off cars' engines at red lights.
- (III) Using pressure cookers to cook food.

8. Write any two alternative sources of energy.

Ans:- Solar energy and hydro energy are the two alternative sources of energy.

C. Write T for true and F for false.

- 1. Air, water and sun are non – renewable resources. (F)
- 2. Non – renewable resources get over when we use them. (T)
- 3. Terrace farming is one of the good methods of soil conservation. (T)
- 4. Water conservation cannot stop the scarcity of water. (F)
- 5. Fossil fuels take several millions of years to form. (T)
- 6. Hydroelectric energy is produced from fast flowing water. (T)

CHAPTER-14 ENVIRONMENTAL POLLUTION

A. Tick (√) mark the correct answer. (page no – 148)

Answer :

1. (d) 2 (a) 3. (b) 4. (c)

B. Answer these questions:

1. Define environment.

Ans:- The environment comprises of the atmosphere, earth, water and space. It is an area in which something exists.

2. What is air pollution?

Ans:- The condition of the atmosphere in which a pollutant is present in such a quantity as to be injurious to public health or have a harmful effect on flora fauna, or interfere with the environment is called air pollution.

3. How does water pollution occur?

Ans:- Water pollution occurs mainly due to human activities. Polluted chemicals and waste products are flown into the rivers, lakes and oceans from factories and industries which pollute water. People throw trash and rubbish, which are useless to them on water.

4. What are the causes of noise pollution?

Ans:- The various causes of noise pollution are the sounds emitted by industrial machines, aircrafts, roadside traffic, loud music, or even noise generated by a crowd, etc.

5. What are main sources of land pollution?

Ans:- The main sources of land pollution are burial sources, insecticides and pesticides, construction waste, human waste, herbicides and mining waste.

C. Fill in the blanks with correct words.

- 1. Environmental of our pollution is the unfavourable alteration surroundings.
- 2. Waste dumping in water bodies causes water pollution.
- 3. Smoke from vehicles causes air pollution.
- 4. Throwing waste in open space land pollution.
- 5. Sensitivity to noise greater at night than during the day.
