

Class: VII

Topic: CHAPTER 17 - WORKSHEET

Subject: SCIENCE

***Tick the correct option:***

1. **Roof of the forest made by the branches of the tall trees is called:**
  - (a) canopy
  - (b) crown
  - (c) understoreys
  - (d) none of these
2. **Which of the following is influenced by forests?**
  - (a) Temperature
  - (b) Climate
  - (c) Animals
  - (d) All of these
3. **Decomposers convert the dead plant and animal tissues into:**
  - (a) clay
  - (b) humus
  - (c) inorganic debris
  - (d) soil
4. **The branchy part of a tree above the stem is called:**
  - (a) leaves
  - (b) crown
  - (c) saplings
  - (d) canopy
5. **Sequence that represents the series of eating and being eaten is called:**
  - (a) food series
  - (b) food chain
  - (c) food web
  - (d) food hub
6. **Decomposers convert the dead plants and animals into:**
  - (a) humus
  - (b) inorganic debris
  - (c) litter
  - (d) fertilisers
7. **Forests are not responsible for:**
  - (a) providing medicinal plants
  - (b) maintaining the flow of water into the streams
  - (c) creating flood conditions
  - (d) absorbing rainwater and maintaining water table
8. **The first link in all food chains is:**
  - (a) herbivores
  - (b) carnivores
  - (c) green plants
  - (d) none of these
9. **There are variations in the types of trees and other plants:**
  - (a) nutritive requirements of animals
  - (b) different modes of reproduction

- (c) different climatic conditions
- (d) None of the above

**10. Identify the correct word from the given options to complete the food chain.**

Grass → \_\_\_\_\_ → frog → snake → eagle

- (a) insects
- (b) rabbit
- (c) goat
- (d) all of the above

**Answer the following:**

11. Paheli remembered that she saw a Pipal sapling on the sidewall in her school. Can you help her to understand how this would have happened?
12. What is the forest floor? State its importance.  
In a forest, it is a layer that is just above the soil surface. It is made up of shed and dead leaves, branches, twigs, barks, and stems that are in various states of decomposition. The decomposition of the forest floor produces humus, which boosts the soil's fertility.
13. How do forests balance the amount of oxygen and carbon dioxide in the atmosphere?
14. What is the effect of rapid urbanization on forests?
15. X and Y are the two types of organism which are found in the forest. X eats up dead animals while Y breaks down the body of the dead animals into simpler substances.
  - a. What is the general name of organism X.
  - b. Write one example of X.
  - c. Write one example of Y and state the type of organism it is?
  - d. What is the importance of the process of breakdown done by Y?
16. If one component of the forest is removed, what would be its affect on the ecosystem? Explain with an example.
17. Write the consequences of deforestation.

**Fill in the blanks:**

**(protect , carbon dioxide , food, decomposers, humus, plants,)**

18. All animals, whether herbivores or carnivores, depend ultimately on \_\_\_\_\_ for food.
19. The micro-organisms which convert the dead plants and animals to humus are known as- \_\_\_\_\_.
20. The presence of \_\_\_\_\_ ensures that the nutrients of the dead plants and animals are released into the soil.
21. The dead animals are \_\_\_\_\_ for vultures.
22. The dense bushes and the tall grass \_\_\_\_\_ herbivores from carnivores that live in the forest.
23. \_\_\_\_\_ help in maintaining the supply of nutrients to the growing plants in the forest.
24. If forests disappear, the amount of \_\_\_\_\_ in air will increase, resulting in the increase of earth's temperature

**Match the following.**

25.

A	B
1. Grass	a. Watermelon
2. Creeper	b. Hibiscus
3. Climber	c. Herb
4. Shrub	d. Banyan

5. Tree	e. Pea Plant
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26.

<b>A</b>	<b>B</b>
1. Humus	a. Depend on plants for food
2. Forests	b. Branchy part of the tree
3. Herbivores	c. Helps forests to grow
4. Crown	d. Dark coloured matter
5. Soil	e. Protect soil from erosion

## Worksheet

**Class: VII**

**Chapter 18**  
**Waste Water Story**

**Subject: Science**

### Q1 Multiple choice question

1. World water day is celebrated every year on \_\_\_\_\_.

- a) 21 March
- b) 21 June
- c) 22 March
- d) None of the above

2. Which organism converts human excreta into vermi-cakes in vermi processing toilets?

- a) Bacteria
- b) Earthworms
- c) Microorganisms
- d) None of the above

3 Which of the following settles as a solid in the bottom during wastewater treatment?

- a) Sewage
- b) Sludge
- c) Litter
- d) All of the above

4. What do we call the network of big and small pipes carrying wastewater?

- a) Sewer
- b) Sewage
- c) Sewerage
- d) None of the above

5. Which of the following are the characteristics of wastewater?

- a) Rancid taste
- b) Offensive smell
- c) Dirty look
- d) All of the above

6. Which of the following is a stage in wastewater treatment?

- a) Filtration
- b) Aeration
- c) Chlorination
- d) All of the above

7. What are the byproducts of wastewater treatment?

- a) Sludge and biogas
- b) Sludge and scum
- c) Sludge and fleece
- d) All of the above

8. Which of the following is used to disinfect wastewater?

- a) Ozone
- b) Chlorine
- c) UV light
- d) All of the above

9. The liquid waste with dissolved and suspended impurities is known as \_\_\_\_\_.

- a) Portable water
- b) Wastewater
- c) Groundwater
- d) None of the above

10. Which of the following blocks the drain?

- a) Fat
- b) Oil
- c) Both (a) and (b)
- d) None of the above

### Question 2

(Keywords: aerobic, organic, sludge, waste water treatment plant, earthworm, drainage, contaminants)

- i. Vermicomposting toilets are \_\_\_\_\_ to treat human waste.
- ii. The full form of W WTP is \_\_\_\_\_
- iii. Cooking oil, fats should not be thrown in the \_\_\_\_\_ system directly, as they choke the pipes.
- iv. \_\_\_\_\_ bacteria consume human waste, food, water etc. in clarified water.
- v. \_\_\_\_\_ is decomposed by anaerobic bacteria.
- vi. Urea is an \_\_\_\_\_ impurity present in sewage.
- vii. \_\_\_\_\_ is a term used for the undesirable substances present in water

### Question 3

The terms sewage, sewers and sewerage are interlinked with each other. Can you explain, how?

### Question 4

Why is chlorine added to wastewater?

### Question 5

A septic tank cannot be built in a place with clayey soil. Why?

### Question 6

Explain the types of contaminants with examples?

### Question 7

Mrs. Mathur disposes of all the waste into the drain. How would you educate her about the effect of negligence on the sewage treatment?

### Question 8

Why should we plant eucalyptus trees near sewage drains?

**Question 9**

What happens in the secondary stage of wastewater treatment?

**Question 10**

Mention two methods which you can personally put into operation for reducing sewage production in your homes?

**Question 11**

Why air is pumped into clarified water?