

**HARI VIDYA BHAWAN**  
**Worksheet - 10**  
**Class- IX**  
**Subject- Science**  
**Session- 2020-21**  
**Ch- 6 Tissues**

**Date-22/04/2020**

**Instructions to be followed:**

- Students do your worksheet in any notebook such as rough notebook, previous year notebook, rough sheets etc. whichever is available at your home. No need to go outside.
- All the student must complete their worksheets as Periodic Test-I marks will be given to those who completes it else you will have to go through pen paper test after the school reopens
- See video links in every worksheet as it will help you to understand the topic.
- If you have any query related to worksheet, ask your queries in WhatsApp group between 10:00am to 12:00 pm in the morning and 4:00 to 6:00pm in the evening.
- All the students must download NCERT app in order to read the chapter and also to write answers of the exercise questions.

**Animal Tissues-** In animals different types of tissues are found to perform different functions.

**1. Epithelial Tissue (Epithelium)-** Epithelial tissue is the protective tissue of the animal body (as epidermis). They cover most organs and cavity in the body like lining of buccal cavity, blood vessels, alveoli, kidney tubules etc.

**Functions-**

- \* They protect inner cells from drying, injury, chemical effect, viral or bacterial infection.
- \* Helps in absorption of water and nutrients.
- \* Helps in elimination of waste products.
- \* Some tissues help in secretion like sweat, saliva, enzymes etc.

**Types of epithelial tissue-**

**(i) Squamous Epithelium-**

- \* Forms lining of cavity of mouth, oesophagus, nose alveoli and blood vessels, covering of tongue and skin.
- \* It protects from mechanical injury, entry of germs, chemical and drying.

**(ii) Stratified Squamous epithelium-**

- \* It covers external surface of skin
- \* This epithelium is water- proof and protect from mechanical injury.

**(iii) Cuboidal Epithelium-**

- \* Cube like cells found in kidney tubules, thyroid vesicles, salivary and sweat glands.
- \* Helps in absorption, excretion and secretion.

**(iv) Columnar epithelium-**

- \* Pillar-like, It forms lining of stomach, small intestine and colon, gall bladder, oviducts etc.
- \* Helps in absorption and secretion (mucus).

**(v) Glandular Epithelium-**

- \*These epithelium tissues form glands which secrete chemicals.

**(vi) Ciliated Epithelium-** Certain cuboidal or columnar cells have thread like outgrowths, called cilia. These cells form ciliated epithelium.

- \* Found in trachea, bronchi, kidney tubules and oviducts.
- \* Helps to move solid particles in one direction.

**2. Muscular Tissues-**

- \* Muscular tissues form contractile tissues like muscular tissue of Limbs, Heart etc.

**Types:-**

**(i) Striated muscles-**

- \* These are also known as striped, skeletal or voluntary muscles.
- \* These muscle fibres have dark and light stripes.
- \* Helps in locomotion and other voluntary movements.

**(ii) Smooth Muscles-**

- \* These are also known as unstriated, visceral or involuntary muscles.
- \* Helps in involuntary movement like peristaltic movements in gastrointestinal tract, male genital tract, uterus, gall bladder etc.

**(iii) Cardiac muscles-**

- \* Cardiac muscles are involuntary.
- \* Cardiac muscle cells are cylindrical, branched and uninucleate.
- \* Cardiac muscles can contract and relax rapidly and tirelessly throughout a life time like heart.

\* Heart muscles help to pump blood and distribute blood to various part of the body.

### **3. Connective tissue-**

\* These are specialized to connect various body organs like blood, ligaments, nerves etc..

#### **Types:-**

- (i) Areolar or Loose connective Tissue
- (ii) Dense connective Tissue
- (iii) Adipose Tissue (e.g Fat Cells)
- (iv) Skeletal Tissue (Skeleton)
- (v) Fluid connective Tissue (Blood and Lymph)

### **4.Nervous Tissue-**

- \* Nervous tissues are specialized to transmit messages within our body.
- \* Brain, spinal cord and nerves are all composed of nervous tissues.
- \* These tissues are formed by nerve cells or neuron.

#### **Answer the following questions:**

Q.1 Name the tissue responsible for the movement in our body.

Q.2 What does a neuron look like?

Q.3 Give three features of cardiac muscle.

Q.4 What are functions of areolar tissue?

Q.5 Differentiate between striated, unstriated and cardiac muscles on the basis of their structure and location in the body.

Q.6 Draw a labeled diagram of a neuron.

Q.7 Name the following:

- (a) Tissue that forms inner lining of our mouth.
- (b) Tissue that connects muscle to bone in humans.
- (c) Tissue that transports food in plants.
- (d) Tissue that stores fat in our body.
- (e) Connective tissue with a fluid matrix.
- (f) Tissue present in the brain.

Q.8 Identify the type of tissue in the following: skin, bark of tree, bone, lining of kidney tubule, vascular bundle.

## **Note-**

- Above questions are given from NCERT blue box and exercise question. For solution check the NCERT solution app.
- Draw the diagrams of different types of Animal tissue from NCERT book.
- Click over the link to understand types of Animal tissues:  
<https://youtu.be/UIINGF9MnNA>
  
- Click over the link to understand Epithelial Tissue:  
[https://youtu.be/P3714\\_a3l0w](https://youtu.be/P3714_a3l0w)
  
- Click over the link to understand Muscular Tissue:  
<https://youtu.be/sfNBe9jCsT4>
  
- Click over the link to understand Connective Tissue:  
<https://youtu.be/DebIq3fEBVo>
  
- Click over the link to understand Nervous Tissue:  
<https://youtu.be/-rZfEi7gLqU>

**HARI VIDYA BHAWAN**

**Subject: English**

**Class-X**

**Work sheet-10**

**Chapter 3 Revision (First Flight)**

**DATE:- 22/04/2020,**

***Instructions to be followed:-***

- 1. Students do your worksheet in any notebook such as rough notebook, previous year notebook, sheets etc. Whichever is available at your home No need to go outside.***
- 2. All the students must complete their worksheets as periodic test 1 mark will be given to those who completes it else you will have to go through pen paper test after the school reopens.***
- 3. See video links in every work sheets as it will help you to understand the topic.***
- 4. If you have any query related to worksheet, ask your queries in whatsapp group between 10:00 am to 12:00 pm in the morning and 4:00 pm to 6:00 pm in the evening.***
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***Questions for practice:-Learn and write.***

**Write Questions Answers:-**

**Q 1. Why was the young seagull afraid to fly? Do you think all young bird are afraid to make their first flight, or are some birds more timid than others? Do you think a human baby also finds it a challenge to take its first flight?**

**Part (I) His First Flight**

**Q 2. “The sight of the food maddened him.” What does this suggest? What compelled the young seagull to finally fly?**

**Q 3. In the case of bird flying, it seems a natural act, and a foregone conclusion that it should succeed. In the examples you have given in Answer to the previous question, was your success guaranteed, or was it important for you to try , regardless of a possibility of failure.**

### **Part II—The Black Aeroplane**

**Q 4. “I will take the risk”. What is the risk? Why does the narrator take it?**

**Q 5. Describe the narrator’s experience as he flew the aero plane into the storm.**

**Q 6. Why do you think helped the narrator to reach safely? Discuss this among yourselves and give reasons for your answer.**

**Q 7. What made the women in the control centre look at the narrator strangely?**

### **Part (I)**

**Link: <https://youtu.be/ymzo6lUDPn0>**

### **Part (II)**

**Link: <https://youtu.be/6HF JsHk2Y>**

### **Grammar-Story Writing**

**Write a story in 150 words with the help of the following outline. Give it a suitable title also.**

**Hints:- a cricket match.....boys playing in the street.....Ram hit the ball ..... a second floor window pane broken.....**

**Ahmad went to watch Diwali Mela with his parents. He wanted to enjoy a ride in the merry-go round. His father.....**

**Write this story in your words and give suitable title also.**

**Link:- <https://youtu.be/wyC6LoE09Ls>**

**Hari Vidya Bhawan**  
**Worksheet-10 (Assessment-1)**  
**Class-X**  
**Subject- Information Technology**

**Date:- 22.4.20**

**Instructions to be followed:-**

- 1:- Students do your worksheet in any notebook such as rough notebook, previous year notebook, rough sheets etc. whichever is available at your home. No need to go outside.
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**L-1 & 2**

1. Using communication skills effectively will help you do what?  
(a) Understand the customer's request  
(b) Provide the customer with the right information and service  
(c) Make sure the customer feels looked after and is understood  
(d) All of the above
2. To convert a message into groups of words, symbols, gestures, or sounds that present ideas or concepts is called:  
(a) Encoding                      (b) Feedback              (c) Noise              (d) Media richness
3. The word stress refers to  
(a) Pressure and tension    (b) Trauma              (c) Anxiety              (d) All of these
4. She got a mail, regarding her application.  
(a) Absolute Phrase    (b) Public Self-awareness (c) Participle Phrase    d) Gerund Phrase.
5. Can I have \_\_\_\_\_ name of the next station. Fill article (a, an or the)
6. In non-verbal communication, message can convey using the spoken word.(True/ False)
7. It is very important for every individual to know their own \_\_\_\_\_.  
(a) Emotional intelligence (b) Physical strength    (c) Limits for handling pressure (d) Outlook in life.
8. Which of the following is NOT a form of non-verbal communication?  
(a) Body language    (b) Telepathy              (c) Written communication              (d) Facial expressions
9. In the context of class room communication attitudes actions and appearances are considered as:  
(a) Verbal                      (b) Non-verbal              (c) Visual                      (d) Impersonal
10. The content of communication is called message.( True/ False)



**Answer the following Questions:-**

1. Mention three benefits of self-awareness.
2. Write three Barriers to Effective Communication?
3. Mention any three point of 7 C's communication.
4. What is the role of body language in communication?
5. Name four symptoms of stress that you observe with your friend.