

## First Terminal Evaluation 2018-19

Class 6

Basic Science

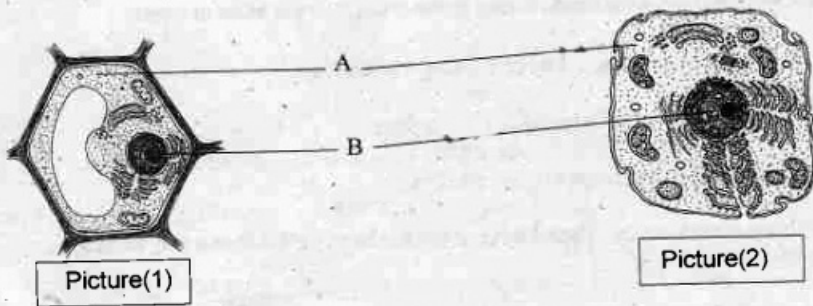
Time : 2 hours

**Instructions**

1. 15 minutes cool off time for reading the questions.
2. Ten activities are given.
3. Write any eight activities.

**Activity -1**

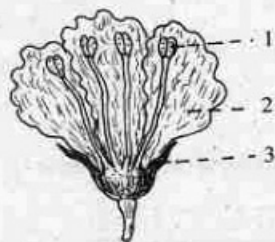
Observe the picture



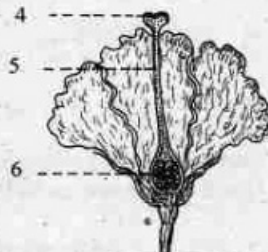
- A & B are different parts of the cells. Name them.
- Identify the cells (1) and (2)
- Write any two structural differences in these cells.

**Activity - 2**

Two flowers of same plant are given in the following picture.



Picture(1)



Picture(2)

- Label the parts of flowers 1,2,3,4, 5 and 6 in the figures
- Which is the female flower?

C. Find out the correct statements related to unisexual flowers.

- i. Androecium and gynoecium are found in the same flower.
- ii. Androecium and gynoecium are found in different flowers.
- iii. Unisexual flowers are found in coconut tree and jack tree.
- iv. Unisexual flowers are found in shoe flower and ladies finger.

- a. (i) & (ii) are correct
- b. (ii) & (iii) are correct
- c. All are correct
- d. (i) & (iii) are correct,

### Activity – 3

The following are two situations related to the change in the state of matter.

Situation I : Make wax apple using melted wax.

Situation II : Make ice apple using water.

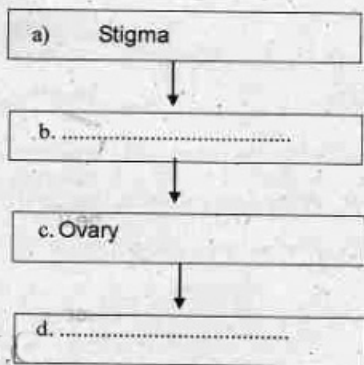
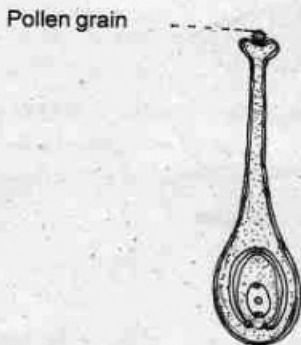
- A. What is the type of change in each situation?
- B. Is there any difference in absorbing or releasing of heat in these two situations ?  
Justify your findings ?
- C. Identify the situation where heat is absorbed.
  - i. Hardening of oil in cold season.
  - ii. Making of ice cream.
  - iii. Clouds become water drops.
  - iv. Wet cloth dries.

### Activity – 4

- A. Certain peculiarities of different flowers observed by a student is given below.  
How do these specialities help them in pollination.

- i. Jasmine has good fragrance and is white in colour.
- ii. Flowers are seen as inflorescence in ixora.
- iii. Paddy plants have plenty of thin pollen grains.

- B. Observe the picture of the pollen grain at the tip of the gynoecium. Complete the flow chart showing the path of the pollen grain for fertilizing with egg.



- C. Which is the pollinating agent in pepper plant ?

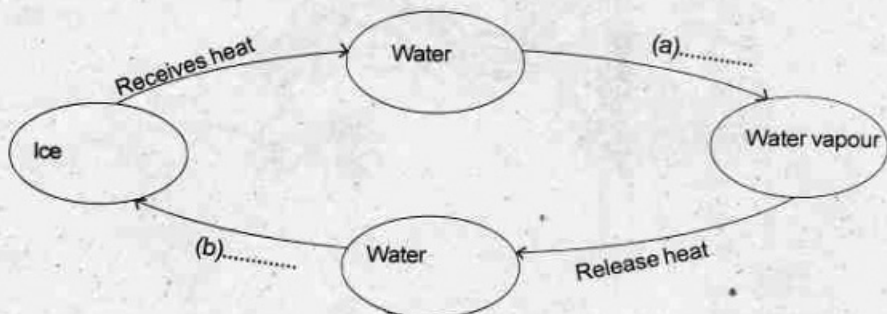
- a) Wind      b) Water      c) Moths      d) Honey bee

**Activity – 5**

- A. Energy change occurs when a cracker explodes is given below. Examine and complete it.

..... + heat energy  $\longrightarrow$  light energy + ..... + heat energy

- B. Complete the picturisation given below.



- C. Find out the most correct statement.

When the Kerosene lamp is lit.

- i. Get light energy.
- ii. Light energy changes to heat energy.
- iii. Get both light energy and heat energy.
- iv. Heat energy changes to light energy.

### Activity - 6

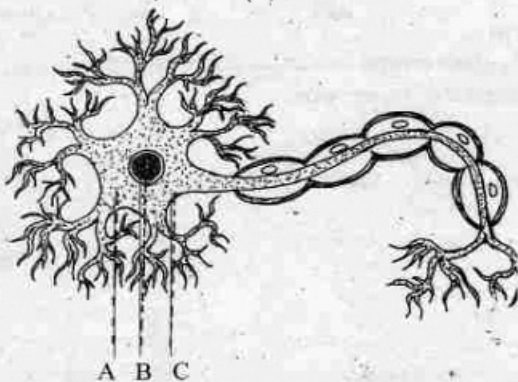
Observe the picture.



- A. Write the name of the organism and write its two features.
- B. Which instrument can be used to observe this organism.
- C. Find out the incorrect group from the following .
  - i. Amoeba, Paramecium, Bacteria.
  - ii. Amoeba, Euglena, Paramecium.
  - iii. Amoeba, Bacteria, Hydra.
  - iv. Amoeba, Euglena, Bacteria.

### Activity - 7

Observe the picture.



- A. Identify the cell.
- B. Name the parts A, B and C in the picture.
- C. What is the function of the cell organelle labelled 'B'?

### Activity – 8

- A. "All flowers in a pumpkin plant do not become fruits"? This is the opinion of a student. Do you agree with it? Give reason.
- B. What are the changes occur in flower parts when flower become fruit ?
- C. Which are the correct statements given below

- i. Apple and cashew apple are false fruits.
- ii. Jack fruit and pine apple are aggregate fruits
- iii. Mango and tomato are simple fruits
- iv. Jack fruit and custard apple are multiple fruits.

- a. (i) and (iii) are correct   b. All are correct   c. (ii) and (iii) are correct   d. All are wrong

### Activity – 9

Some activities and their energy changes are given in the tables below.

Activities ( Table 1)	Energy changes ( Table 2)
1. Plants prepare food	a. Chemical energy changes to light energy
2. A torch is lit	b. Chemical energy changes to light energy and sound energy
3. A sparkler is lit	c. Light energy changes to chemical energy
4. Electric fan works	d. Electrical energy changes to Mechanical energy
5. A solar lamp is lit	e. Chemical energy changes to heat energy and light energy
6. Gas burns	f. Light energy changes to electrical energy and to light energy

- A. Find out the energy change occurs in each activity given in the table -1 from table - 2 and write in pairs.
- B. List out situations from the above table in which energy loss occurs when heat energy produces?

## Activity – 10

A. Examine the situations given below and classify them according to the changes and give suitable titles.

- Fire wood burns.
- Iron rusts.
- Water turns into vapour.
- Roof tile turns red when it is heated more.
- Breaking up of rock into sand or soil.
- Salt dissolves in water.

(a) .....	(b) .....
Salt dissolves in water. .....	(c) .....
(d) .....	Fire wood burns. .....
(e) .....	(f) .....

B. Which statement does not agree with fossil fuels ?

- Only coal and petrol are fossil fuels.
- Chemical energy is stored in fossil fuels.
- Solar energy is the basic energy source of fossil fuels.
- Fossil fuels undergo depletion.

C. Sugar melts when it is heated. Find out the correct statements related to this process and write?

- Chemical changes occurs.
- Colour Changes.
- Only physical change occurs.
- Taste Changes slightly.

a. (i), (ii) and (iv) are correct

b. (i), (iii) and (iv) are correct

c. (i), (ii) and (iii) are correct

d. All are correct :