



ÉCOLE GLOBALE

INTERNATIONAL GIRLS' SCHOOL

Dehradun

HOLIDAY HOMEWORK - CLASS VIII

BIOLOGY

BLOCK 16-CELL STRUCTURE AND FUNCTION

1. Why do plant cells have an additional layer surrounding the cell membrane? What is this layer known as?

2. Fill in the blanks with the terms given in the box below:

Nucleus, chromosomes, cell wall, cell membrane, protoplasm, cytoplasm, ribosome, cell organelles

The outermost layer of plant cells is the (a) _____ beneath which is the (b) _____. The term (c) _____ refers to the jelly-like substance containing all the (d) _____. The (e) _____ contains thread-like structures called (f) _____.

3. Read the following statements and write the appropriate term against each statement.

A. I control the functions of a cell. Who am I?

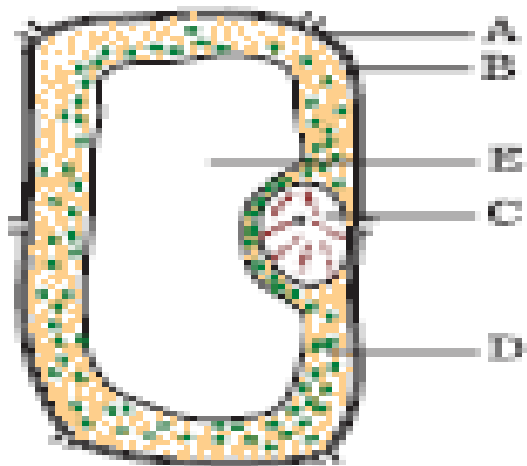
B. I am like a policeman. I do not allow anything and everything to get in and out of the cell. Who am I?

C. I transfer characters from parents to offsprings. Who am I?

4. Classify the following terms into cells, tissues and organs and write in the tabular column given below. RBC, WBC, Nerve cell, blood, muscle, blood vessels, brain, heart, hand

Cell	Tissue	Organ
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5. Label the parts A, B, C, D and E



6. What are the functions of cell wall in plant cells?
7. In leaves, name the cell organelle and pigment that is responsible for green colour.
8. We do not sense any pain when we clip our nails or cut our hair. Why?
9. In a cell, where are the genes located?
10. Amoeba and Paramecium belong to which category of organisms?

BLOCK 15 -BIODIVERSITY

1. What is the unique feature of the biodiversity found in Panchmarhi Biosphere Reserve?
2. Why are endemic organisms in greater danger of becoming extinct?
3. Why are wildlife sanctuaries important for conservation of plants and animals?
4. Why are endemic organisms in greater danger of becoming extinct?
5. Differentiate between endangered and extinct species.
6. What is Red Data book? Explain in detail.
7. List and explain different threats to biodiversity.

BLOCK 2 -FOOD MANAGEMENT

1. Given below is a conversation between two farmers Heera and Beera.

Heera : Brother Beera, your maize crops looks beautiful! They have grown pretty fast.

Beera : Yes, I have sprayed urea this time. What about you ?

Heera : Well, I am still relying on good old cow dung. I am saving money for buying a tractor.

Beera : That's good. Tractor saves a lot of time and labour.

Heera : Yes, it's been very labour intensive for me and now these weeds have come up.

Beera : Try weedicides, they are very effective.

Now answer the following questions.

- (i) List the practices which are not environment friendly and why?
 - (ii) What is the advantage of modern agriculture implements over traditional ones?
 - (iii) Name one weedicide and the precaution farmers must take during its application.
2. Paddy is a major cereal crop in our country. What measures must be taken to prevent spoilage and insect attack of harvested grains?
 3. How does refrigeration help to stop food from going bad?
 4. Explain 'Peru' used in Himachal Pradesh.