



COLEGIO NACIONES UNIDAS I.E.D.
PREPARATORY WORKSHOP
SECOND TRIMESTER
SCIENCES 4°

This workshop must be copied and developed in the notebook, as a requirement for the presentation of the test.

Delivery date: July 15th

Considering the following text, answer the first 5 questions.

Ecosystem

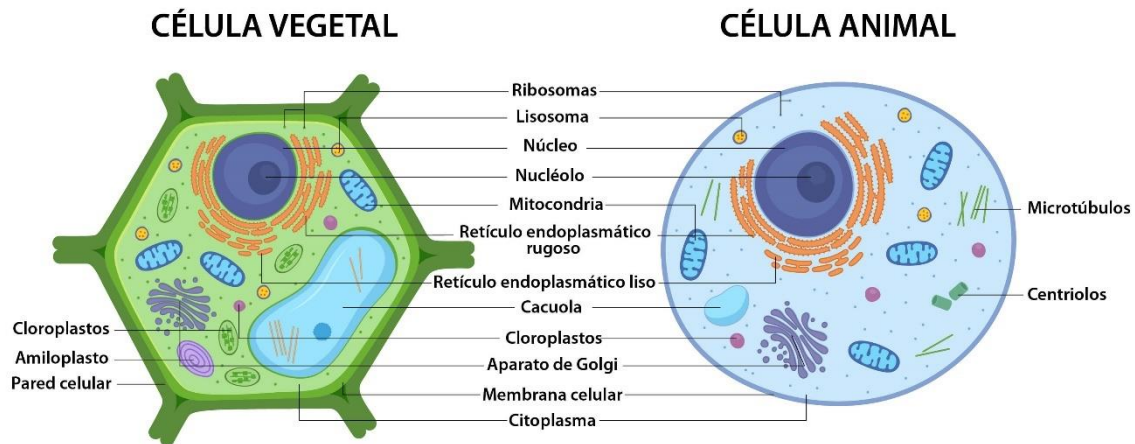
It is a term from ecology that refers to a community of biotic components, that is, organisms, vegetation, animals and even bacteria and other microorganisms, and their relationships with the abiotic elements of the place where they live, that is, with light, solar, water, soil, temperature, relief.

The biotic components are subdivided into Producers, Consumers and decomposers.


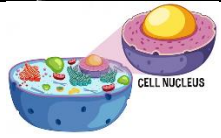
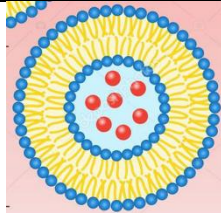
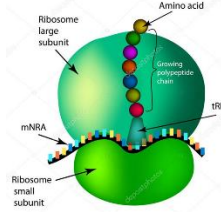
In short, the ecosystem refers to the living beings and non-living elements that inhabit a certain area and the biological, chemical and physical interactions that occur between them.



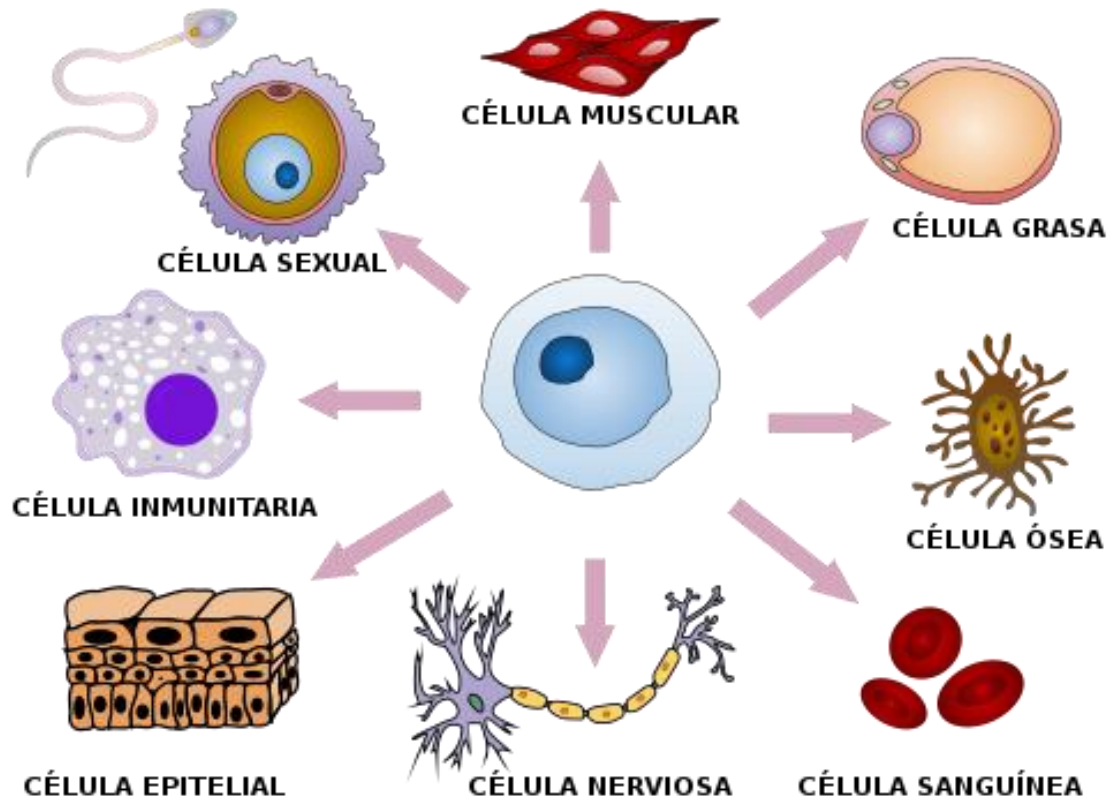
1. What is an ecosystem?
2. How are biotic components classified?
3. Name 6 examples of biotic components
4. Why are abiotic components important?
5. Name 6 abiotic components.



1. What is the basic unit of living beings?
2. What are the 3 vital functions of the cell?
3. Name three differences between the animal cell and the plant cell and explain the reason for each one.
4. Where are cellular organelles suspended?

	ORGANELO	FUNCIÓN
	Mitocondria	Es la estructura donde se efectúa el proceso de respiración celular y se produce el ATP, fuente principal de energía que permite efectuar los diferentes procesos en la célula.
	Núcleo	En el núcleo se encuentra el ácido desoxirribonucleico (ADN), molécula que codifica la información genética y que se transmite cuando las células se dividen.
	Vesícula Membranosa	Es un organelo que tienen por función almacenar, transportar o digerir residuos celulares.
	Ribosomas	Están compuestos por ARN y proteínas. Su principal función es la síntesis de proteínas.

5. What is the organelle responsible for me having some traits from mom and dad?
6. If the cell does not function well, it may be due to lack of energy, which organelle should be treated?
7. Name the organelle responsible for synthesizing proteins.



8. What is the largest cell in the human being?
9. Which cell has a flagellum and what is its function?
10. Which of these cells are part of the circulatory system?
11. What is the smallest cell in the human being?