

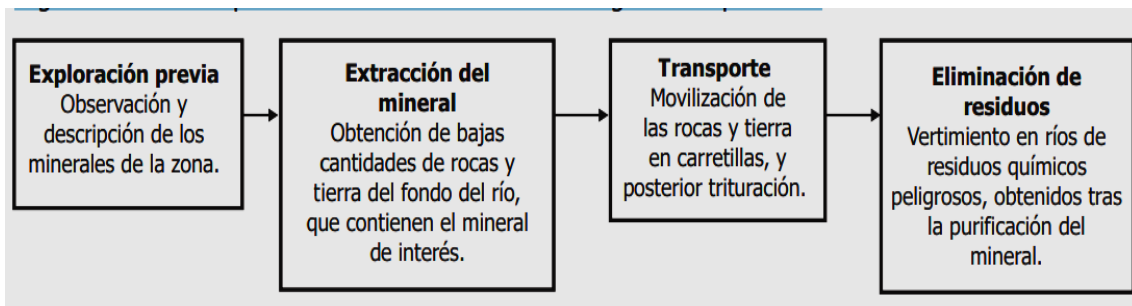


COLEGIO NACIONES UNIDAS I.E.D.
WORKSHOP THIRD TRIMESTER
BIOLOGY 6th

This workshop must be copied and developed in the corresponding notebook
DELIVERY DATE NOVEMBER 8th

NAME _____ **GRADE** _____ **DATE** _____

1. In Colombia, illegal mining is an activity that causes great damage to the paramo regions of the country. Below are some activities that take place during the process of illegal extraction of a mineral present in rivers located in the paramo regions



Based on the above, which of the above activities could generate direct pollution on the paramo ecosystem?

2. The two main mechanisms for transporting substances into the cell are passive transport and active transport. Compare them based on energy expenditure.
3. How is called the type of nutrition in which organisms obtain their food from other organisms or their remains
4. Explains the fundamental characteristics of the autotrophic type of nutrition
A. chemoautotrophic organisms carry out photosynthesis
B. Nutrients enter the cell through the cytoplasm
C. All organisms perform the function of nutrition
D. Plants are heterotrophic organisms

ANSWER THE QUESTIONS AND BASED ON THE FOLLOWING INFORMATION

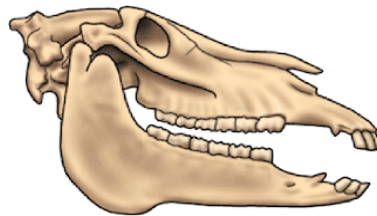
Cells are the units that make up living beings. They have different shapes and functions. Its fundamental parts are: nucleus, cytoplasm and cell membrane. There are living beings that are made up of only one cell and we call them unicellular; Examples are bacteria and amoebas. other organisms are multicellular or multicellular; That is, they are made up of many cells, this is the case of the worm, the frog, the cat, the human being. The cells group together to create: the skin, the bones and each of the organs in your body

5. Which is the text's principal theme?

6. According to the reading, what living beings have in common?
7. Heterotrophic nutrition occurs in six stages:
- Transformation of food into assimilable particles
 - Transport of nutrients to each cell of the body
 - Elimination of waste produced during metabolism

What is the name of each one of this process, in order

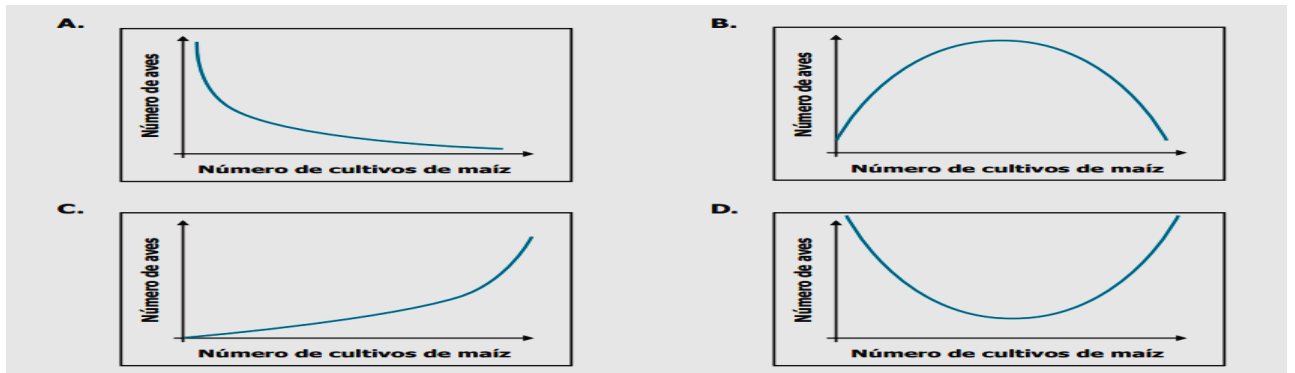
8. A Biologist was studying a sample of unknown tissue, in his observation under the microscope he could see that the cells that made it up had an obvious cell wall, cytoplasmic membrane, well-defined central nucleus and a set of organelles included in a gelatinous cytoplasm, among which he could differentiate: ribosomes, mitochondria, chloroplasts, endoplasmic reticulum and vacuoles. What kind of organism did the tissue analyzed belong to?
9. Animals' teeth adapt to the type of food they consume; This is because each of the groups of teeth has a specific function in the process of ingesting and chewing food. Teeth can be of 4 types: incisors (cut food), canines (tear food) and molars (grind or crush food). If we find the skull of an unknown animal and see that it has large incisors, strong molars but no canines (fangs), we can deduce that this organism was?



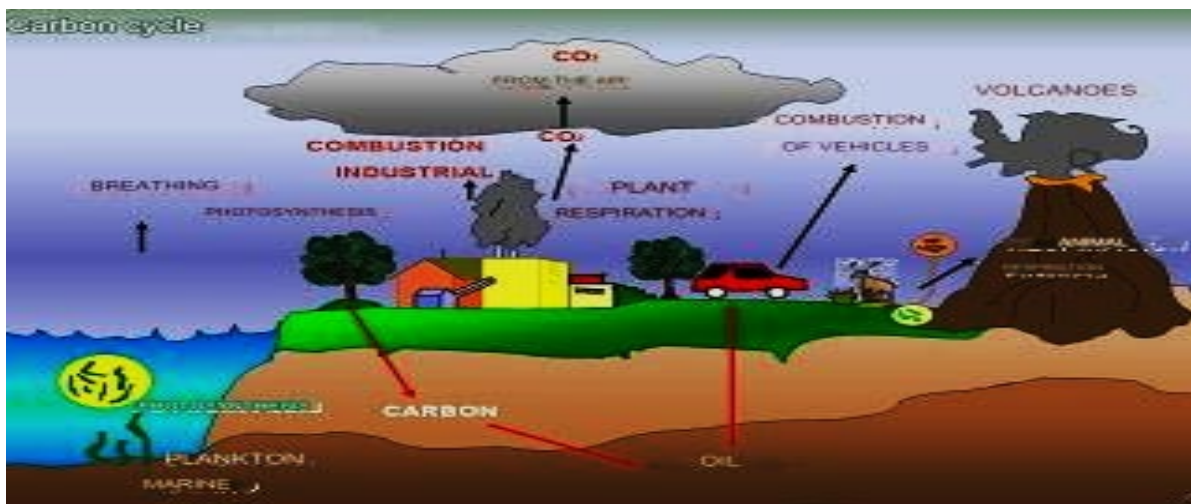
OBSERVE IN THE PHOTO HOW THE BEAR FEEDS



10. Based on the photo and the way it obtains its energy, what we can say about the bear nutrition?
11. Andrea has the following hypothesis: If forests are replaced by corn crops, the bird population will decrease because they will not have trees to build their nests in. To test her hypothesis, she will count the number of birds as the forest is replaced by corn crops. If Andrea's hypothesis is true, what should the results be?



12. According to the following carbon cycle diagram, it is **INCORRECT** to state. Justify your answer.



- Plants, in their photosynthesis process, produce carbon dioxide that pollutes the atmosphere
- Plants, in their respiration process, produce carbon dioxide that pollutes the atmosphere
- All living beings, in their respiration process, produce CO_2 that pollutes the atmosphere
- Oil is made up of CO_2 stored underground by the decomposition of living beings