



Name: _____ Group: _____

TOPICS:

- CELL (Prokaryotic and Eukaryotic cell)
- Animal and plant cell
- Organelles 'function
- Level of organization of living things
- Properties of matter (Mass – Volume – Weight – Density)

1. In the following matrix, put a check in the box to show the organelle is present in Eukaryotic or prokaryotic cells or both.

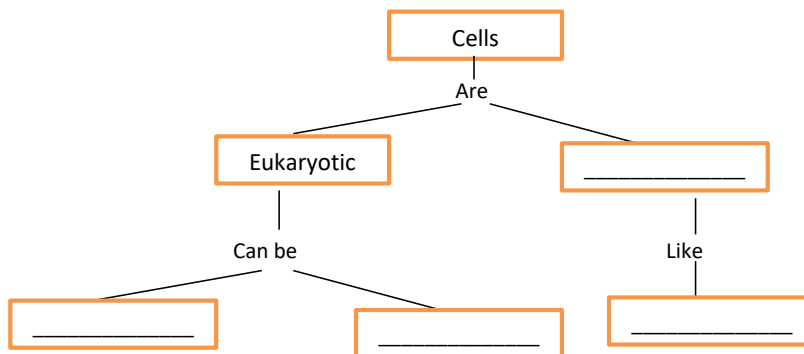
Organelle	Prokaryotic	Eukaryotic
Cell membrane		
Cell wall		
Nucleus		
Mitochondria		
Chloroplasts		
Golgi apparatus		
Lysosomes		
Ribosomes		
Vacuole		

2. For the chart below, place a check X in the box if the cell has that component.

Organelle	Plant	Animal	Bacteria
Vacuole			
Chloroplast			
Ribosome			
Mitochondria			
DNA			
Endoplasmic Reticulum			
Cell Wall			
Golgi Apparatus			

3. Complete the mental map by using key words:

Key words: unicellular - bacteria - multicellular -
 prokaryotic



4. Complete the following sentences by using the key words:

Key words:

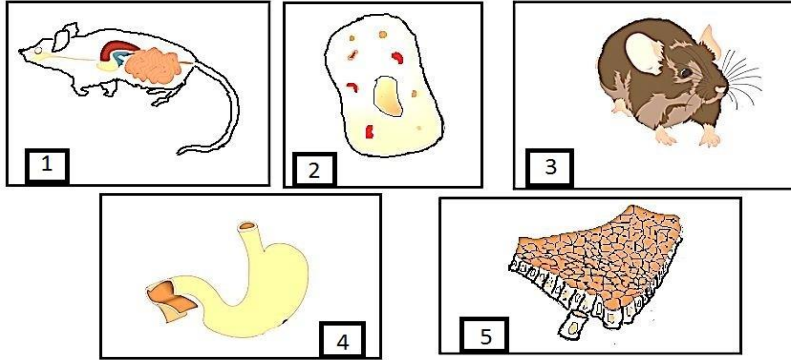
Bone cells Chloroplast Nucleus Vacuole Muscle cells Bacteria

- a. Plant cells have _____ and _____.
- b. Two examples of animal cell are _____ and _____.
- c. _____ is an example of unicellular organism.
- d. This organelle controls all the activities of cell _____

5. Complete the following table by writing the name of the cell organelle:

Ribosomes	Cell membrane	Nucleus	Chloroplast	Vacuole
Structure / function		Organelle		
controls cell activities				
store food, water, and waste				
uses energy from sun to make food for the plant				
produces proteins				
supports and protects cell organelles				

6. The pictures below show the different levels of organization of a mouse. Observe the images and write the number in the chart that correspond



Fuente: commons.wikimedia.org

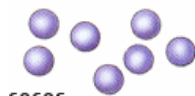
Level of organization	Example
Cell	
Tissue	
Organ	
System	
Organism	

7. Point out the following parts of the plant cell: cell wall, vacuole, nucleus, cytoplasm.



8. Put the correct name in the following

principals shapes of bacteria



- Bacillus
- Cocci
- Spirochetes



Choose the correct answer

9. This property can be measure by using a **balance**
a. Volume b. Density c. Weight d. Mass
10. **Write true (T) or false (F)**
a. Volume can be measured with a balance _____
b. Litter (L) is the unit of measure for mass _____
c. Air is matter _____
d. Weight is the relation between mass and gravity force
e. Mass is the space that occupies by an object _____

You also can find different help to understand the topic:

Follow these links to know more about topics:

- <https://www.youtube.com/watch?v=8vo59AKzU4Q>
<https://www.youtube.com/watch?v=RQ-SMCmWB1s>
<https://www.youtube.com/watch?v=Hbpe3FhsQp8>
<https://www.youtube.com/watch?v=zoEEZmVPITs>
<https://www.youtube.com/watch?v=Y8-T8RouhPA>

To play games:

- <https://www.legendsoflearning.com/learning-objectives/parts-of-the-cell/>
<http://unsitioparalasciencias.overblog.com/2015/10/cell-games.html>
<https://www.cellsalive.com/puzzles/index.htm>

Nota: Para seguir cada uno de los vínculos deben presionar la tecla Ctrl + clic