

Drag and Drop

Complete each sentence with a word from the list. Drag and drop the words in the boxes.

DNA

cytoplasm

nucleus

- a) The liquid inside a cell is called _____.
- b) One of the most important parts of a cell is called the _____. It controls everything the cell does.
- c) The nucleus contains special information called _____. This hereditary information helps the cell to reproduce itself.

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Reading Passage

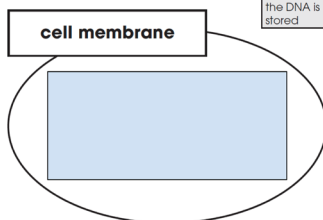
Cells come in many different shapes. They can be long like sticks, round like balloons or rectangular like building blocks. Cells are like a factory because they have many parts that work together to get important work done. In the chart below and on the next slide, we use the idea of a factory to help you remember the main parts of the cell and what they do.

Cell Part	Where Is It?	What It Does	Job in the Factory
cell membrane	Surrounds the cell.	<ul style="list-style-type: none"> Separates the inside of the cell from its environment. Some elements are let in, some are kept out. 	<ul style="list-style-type: none"> The factory wall or fence.
cytoplasm	Inside the cell membrane.	<ul style="list-style-type: none"> Made of water and protein, where most of the cell work takes place. 	<ul style="list-style-type: none"> The busy work space inside the factory.

Comprehension Questions

Use your knowledge from the readings to complete this activity. Type the descriptions at the bottom in the correct 'cells'. Some descriptions will not apply to this cell structure.

A I surround the outside of the cell	B This is where all the work takes place - like the work space inside of a factory	C We help keep the cell clean	D I float in the cytoplasm
E I float in the cytoplasm. I feel	F Wow! It's crowded in here! I float in the cytoplasm. I feel	G I'm like the factory wall - I let things in and keep things out	H I help turn the food you eat into the energy the cell needs to survive
I This is where the DNA is stored	J I am made of water and protein	K I'm like the manager of the cell - I am in charge of everything!	L This is the liquid inside the cell



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Marking Rubric

Name: _____

	Level 1	Level 2	Level 3	Level 4
Understanding Concepts	Demonstrates a limited understanding of the concepts. Requires teacher intervention. <input type="checkbox"/>	Demonstrates a basic understanding of the concepts. Requires some intervention. <input type="checkbox"/>	Demonstrates a good understanding of the concepts. Requires no intervention. <input type="checkbox"/>	Demonstrates an excellent understanding of the concepts. Requires no intervention. <input type="checkbox"/>
Responses to the text	Expresses responses to the text with limited effectiveness; inconsistently supported by proof from the text. <input type="checkbox"/>	Expresses responses to the text with some effectiveness; supported by some proof from the text. <input type="checkbox"/>	Expresses satisfactory responses to the text with some effectiveness; supported by satisfactory proof from the text. <input type="checkbox"/>	Expresses thorough responses to the text with some effectiveness; thoroughly supported by proof from the text. <input type="checkbox"/>
Analysis of Concepts	Interprets various concepts from the text with limited, unrelated details and incorrect analysis. <input type="checkbox"/>	Interprets various concepts from the text with some details but also some incorrect analysis. <input type="checkbox"/>	Interprets various concepts from the text with satisfactory details and good analysis. <input type="checkbox"/>	Interprets various concepts from the text with excellent details and thorough analysis. <input type="checkbox"/>
Application of Concepts	Demonstrates a limited ability to apply various concepts from the text to activities, discussions, and situations. <input type="checkbox"/>	Demonstrates a basic ability to apply various concepts from the text to activities, discussions, and situations. <input type="checkbox"/>	Demonstrates a satisfactory ability to apply various concepts from the text to activities, discussions, and situations. <input type="checkbox"/>	Demonstrates a strong ability to apply various concepts from the text to activities, discussions, and situations. <input type="checkbox"/>

Total Score = 1/43