

Name:

Date:

Color:

**Prompt:**

You are a microbiologist. You just found a cell that does not have a \_\_\_\_\_ that works.

- What are at least two consequences that the cell will have to deal with?
- What other organelles might be affected?

**Choose only 1 cell part from the list below to fill in the blank and write about:**

cell membrane

nucleus

chloroplasts

**Brainstorm:** What are two things that will happen because that organelle doesn't work? Is it a process we learned about? Will it not be able to work with another organelle?

Write a couple notes describing those two things:

1.

2.

**Fill in the outline to write about the cell:**

In my cell, the \_\_\_\_\_ is not functioning. This will not be good for the cell because (*list two ideas*):

The first problem the cell might have is: (*list first idea again*). This problem would happen because (explain the first problem in at least 2 sentences).

The second problem the cell might have is: (*list second idea again*). This problem would happen because (explain the second problem in at least 2 sentences).

To conclude, if the cell has \_\_\_\_\_ that is not functioning, then (*list two ideas*). This would cause the cell to...

**Rubric**

Paragraph structure	Good use of vocabulary	Two logical ideas	Two correct explanations	Logical summary	Total
2	4	2	8	4	20

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**Word Reference**

active transport ATP carbon dioxide cell membrane cell wall centrosome chlorophyll chloroplast chromosome cytoplasm diffusion	DNA endoplasmic reticulum engulfing equilibrium glucose golgi body mitochondria mitosis neuron nucleus osmosis	oxygen passive transport photosynthesis protein red blood cell respiration ribosomes RNA vacuole vesicles water
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