

The Characteristics of Living Things Stations

I. *Reading Comprehension: Read the following newsela article. Do not forget to annotate your article as you read to receive credit for the questions. Circle the verbs, underline the nouns/noun phrases and highlight all unit vocabulary words found in the text.* (each student was given a copy of the article in class.)

Article title: The Facts About Cells

II. *Technology I-BrainPop: Login into brainpop (www.brainpop.com). Watch the video on Cell Structures. You may review the video as many times as would like until you feel you have mastered the content. A minimum of two notes must be taken from the video as you watch. Feel free to write down more than two notes. You will be given a ten-question quiz about the video in class on Monday (8/12/19).*

III. *Writing: Write an expository essay related to the characteristics of living things. Try to include five vocabulary words in your essay and underline them each time the vocabulary word is used. Please visit the link below for additional support on expository essay writing:*

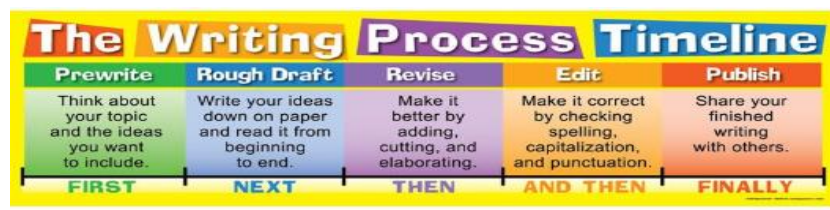
<https://www.time4writing.com/writing-resources/types-of-essays/>

**a paragraph consists of 5-7 complete sentences.*

1. Paragraph one- Introduce the topic to the reader
2. Paragraph two- Transition-connect topic to model
3. Paragraph three- explain model
4. Paragraph four- relate model to standard; in this paragraph relate your model to one of the organelles (nucleus, cytoplasm, cell membrane, cell wall, chloroplasts, lysosome, mitochondria) and one of the characteristics of living things (obtaining nutrients in order to grow, reproduce, make needed materials, and process waste).
5. Paragraph five- Conclusion

Below is a portion of the writing process that is suggested to be completed each day.

<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
Prewrite	Rough draft	Revise	Edit	publish



IV. *Hands-On: Create a model. Choose a model from the list below and relate it to the characteristics of living things. Be creative!*

1. Physical model (can be 3D as well)

The Characteristics of Living Things Stations

2. Conceptual model
3. Mathematical model
4. Three-dimensional (3D) model
5. Functional three-dimensional (3D)

V. Notes: Science workbook pages on Characteristics of Living Things pg. 78-86; 1-17

VI. Standards Questions

1. Construct an explanation of how the nucleus contributes to the function of the cell as a system in obtaining nutrients in order to grow.
2. Construct an explanation of how the nucleus contributes to the function of the cell as a system in order to reproduce.
3. Construct an explanation of how the nucleus contributes to the function of the cell as a system in order to make needed materials.
4. Construct an explanation of how the nucleus contributes to the function of the cells as a system in order to process waste.
5. Construct an explanation of how the cytoplasm contributes to the function of the cell as a system in obtaining nutrients in order to grow.
6. Construct an explanation of how the cytoplasm contributes to the function of the cell as a system in order to reproduce.
7. Construct an explanation of how the cytoplasm contributes to the function of the cell as a system in order to make needed materials.
8. Construct an explanation of how the cytoplasm contributes to the function of the cells as a system in order to process waste.

VII. Observation, Inference and Prediction

www.brainpop.com ->cell structure -> related reading -> comic.

Write an observation about the picture in a complete sentence. Write an inference about the picture in a complete sentence and write a prediction about the picture in a complete sentence.