

Chapter 2: From a Cell to an Organism

Lesson 2: Levels of Organization

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Commented [1]: Very good work! ☐

1. Highlight one structure of the prokaryote and suggest that structure's function.

As stated under What are prokaryotes sentence 1, Prokaryotes are single celled organisms that do not have membrane bound organelles. Sentence 2 states that bacteria are prokaryotes without nuclei or other organelles, but bacteria still have structures with specific functions. (Page 20)

2.Circle the organelles in this eukaryote. I circled Nucleus with hereditary material on the picture (page 21)

- 3.Define what is a stem cell?

As stated under What are stem cells sentence 1, Some cells in your body are undifferentiated. Sentence 2 states these cells, called stem cells , can become different types of cells. Sentence 3 states there are stem cells in the middle of some of your bones. Sentence 4 states, under the right conditions,these cells could become other type of cells. Sentence 5 stated, differentiated cells cannot become any other type of cell. (page 22)

Commented [2]: You do not need to write sentence 1 etc. You can just cite the paragraph number like you learned in essay writing.

4. Name other organs in your body that must work together to perform a function.

As stated in what are tissues sentence 1, A tissue is a group of cells that work together and perform a function. Sentence 2 states A muscle fiber, for example, is one kind of tissue in your body. It is made up of many types of muscle cells that work together.

As stated in What are organs sentence 1, An organ is a group of similar tissues that work together to perform a function. Sentence 2 states Each tissue must work properly for the organ to function.

As stated in Human organs sentence 1, Your heart , lungs,brain,stomach, and muscles are all examples of organs in your body. (Page 22)

Commented [3]: You do not have to state the title either. I just want to make sure that you have the correct answer and cite the paragraph number. You can cite the paragraph and page number e.g. (para. 3; p.22).

5. Identify what is the function of skin?

As stated under What are organ systems on the chart, Integumentary human organ system skin, protect the body and maintain homeostasis. (Page 23)

- 6.Organ systems are dependent on what to function properly? Circle your answer? A. Other organ systems

I found my answer under what is an organism sentence 2, Multicellular organisms usually have many organ systems. Each organ system has it's own function,but it is dependent upon other organ systems to function properly. (Page 24)