

Lesson 1: The Cells Theory

1. What is the difference between light microscopes and electron microscopes? Light Microscopes used light and one or more lenses to enlarge an image. Electron Microscopes can enlarge images and scientists can see most of the structures inside a cell.

Commented [1]: Good, but where are your textual evidence and citation? If you took this from the text, use quotation marks. If you paraphrased, cite the paragraph number.

2. What was learned about cells in the 1830s? The electron microscopes was invented. An electron microscope can enlarge images 100,000 times or more.

Commented [2]: Okay, but where are your textual evidence and citation. You can say: For example, the text states... (2) Apply this example to all of your responses.

3. Name two ways you respond to your environment? When someone throws a ball at you, your reaction is to catch it. When our body gets sickness in it, our body responds to a invasion of the virus.

4. Explain to a partner the difference between a Caterpillar and a butterfly, or a puppy and a dog? Both animals go through dramatic changes, a Caterpillar turns into a butterfly, and a puppy turns into a big dog.

5. List three ways that human bodies maintain a healthy body temperature? Sweat, shiver, or change the flow of blood

Commented [3]: Good, but is there textual evidence to support this information?

6. Explain how do humans get energy? Humans get energy from the food they eat.

7. Highlight the type of water that insulates your body? About two thirds of the body mass is water. Most of the water is inside cells, and the rest is surrounds cells.

Commented [4]: Good! Citation is needed.

8. Highlight the type of lipids that stores energy? Fats stores large amounts of chemical energy.

Commented [5]: Good, but textual evidence and citation are needed.

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