

Standard 1: The Cell—Cells are the fundamental unit of life, composed of a variety of structures that perform functions necessary to maintain life.

1. Cells are composed of a variety of structures, such as the nucleus, cell membrane, cell wall, cytoplasm, ribosomes, mitochondria, and chloroplasts. **FIVE QUESTIONS ON EOI**

	function	structure	Plant, animal and/or bacteria*
cytoplasm			
ribosome			
cell wall			
chloroplasts			
nucleus			
mitochondria			
cell membrane ⁺			

* Be sure you can classify a cell as animal plant or bacteria based on the structures they have.

⁺ Define the following terms and explain how they relate to the cell.

**Concept 4

- 21. Explain how carbs get their name.
- 22. What's the name given to small carbs and what molecules do they include?
- 23. What are larger carbs called?
- 24. Give 4 main functions of carbs.

**Concept 5

- 25. Describe the size of protein molecules and how much of an organism is made from proteins.
- 26. Give 6 functions of proteins.