

Cells Standards

Eagle Ridge Academy

9.4.1.2.3

Describe how viruses, prokaryotic cells, and eukaryotic cells differ in relative size, complexity and general structure.

9.4.1.2.4

Explain the function and importance of cell organelles for prokaryotic and/or eukaryotic cells as related to the basic cell processes of respiration, photosynthesis, protein synthesis, and cell reproduction.

9.4.1.2.5

Compare and contrast passive transport (including osmosis and facilitated transport) with active transport such as endocytosis and exocytosis.

9.4.1.2.6

Explain the process of mitosis in the formation of identical new cells and maintaining chromosome number during asexual reproduction.