

NJCCCS Standards:

STANDARD 5.5 (CHARACTERISTICS OF LIFE) ALL STUDENTS WILL GAIN AN UNDERSTANDING OF THE STRUCTURE, CHARACTERISTICS, AND BASIC NEEDS OF ORGANISMS AND WILL INVESTIGATE THE DIVERSITY OF LIFE.

By the end of **Grade 8**, students will:

<p>A</p> <p>Matter, Energy and Organization in Living Systems</p>	<ol style="list-style-type: none">1. Explain how the products respiration and photosynthesis are recycled.2. Recognize that complex multicellular organisms, including humans, are composed of and defined by interactions of the following:<ul style="list-style-type: none">• cells.• tissues.• organs.• systems
<p>B</p> <p>Diversity and Biological Evolution</p>	<ol style="list-style-type: none">1. Compare and contrast kinds of organisms using their internal and external characteristics.2. Discuss how changing environmental conditions can result in evolution or extinction of a species.3. Recognize that individual organisms with certain traits are more likely to survive and have offspring.
<p>C</p> <p>Reproduction and Heredity</p>	<ol style="list-style-type: none">1. Describe how the sorting and recombining of genetic material results in the potential for variation among offspring of humans and other species.

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