

### 1. Connect the relationship between cause and effect to how it impacts the balance of biological processes.

Student can...	4	3	2	1
1.1 Analyze the interdependence of body systems	I can predict how body systems respond to a change in variable	I can analyze the interdependence of body systems	I can describe how organs work together in a body system	I can identify the components of each system in the body
1.2 Examine various conditions that change normal body functions	I can anticipate the physiological response of the body to various stimuli	I can examine various conditions that change normal body functions and how the body responds	I can describe changes of the body in response to variables	I can identify factors that stimulate the human body

### 2. Analyze and apply how energy transfers and transforms within and across biological processes.

Student can...	4	3	2	1
2.1 Develop an evidence-based argument to show that bodily systems require energy	I can predict the impact of changes in energy to a body system	I can develop an evidence-based argument to show that bodily systems require energy	I can compare the inputs and outputs of a body system	I can identify the inputs and outputs of a body system
2.2 Analyze changes in the energy of a system to show transfers and transformations of energy	I can evaluate and refine a system for apparent losses of energy and identify limitations	I can evaluate energy transformations within a system	I can represent the flow and transfers of energy in a system	I can label energy transformations in a model

### 3. Analyze relationships between structure and function of matter as it applies to biological systems.

Student can...	4	3	2	1
3.1 Connect anatomical structures with physiological function	I can analyze the impact a change of structure will have on physiological function	I can connect anatomical structures with their physiological functions	I can compare anatomical structures	I can identify anatomical structures
3.2 Apply correct terminology to orientation of body parts and regions	I can apply anatomical terminology to predict the location of new vocabulary	I can apply correct terminology to orientation of body parts and regions	I can match anatomical terminology to body parts and regions	I can define anatomical terminology
3.3 Formulate an explanation for how specialized cells are developed	I can evaluate the role of specialization as it relates to the ability to survive	I can formulate an explanation for how specialized cells are developed	I can describe the purpose of cell specialization	I can identify cell specialization

### 4. Critique patterns to predict behavior and relationships within biological systems.

Student can...	4	3	2	1
4.1 Explain the purpose of homeostasis and its mechanisms as these relate to the body as a whole	I can predict the consequences of the failure to maintain homeostasis	I can explain the purpose of homeostasis and its mechanisms	I can match changes in homeostasis to the response of the body	I can identify changes in homeostasis
4.2 Analyze patterns in evidence to organize, classify, or compare levels of hierarchy in the human body	I can evaluate the levels of hierarchy to explain disease	I can analyze patterns in evidence to organize, classify, or compare levels of hierarchy in the human body	I can describe the levels of hierarchy	I can identify and define levels of hierarchy in the human body