Levels of Biological Systems

Sample Transitional Items

Subcluster	Learning from Mistakes Students may make the following mistakes:	Interesting Items
Interactions Among Systems Readiness: B.10(A), B.10(B) Supporting: B.10(C)	• not understanding each system, each system's function, or each system's organs, and how these systems interrelate and interact with one another • not understanding the function of integumentary, endocrine, and immune systems • not understanding reflex responses and feedback mechanisms • not understanding that plants have hormones that cause responses • not understanding the organs and organ systems of plants • not understanding that plant reproductive organs (male and female) are often housed in the same flower for self-fertilization • confusing the levels of biological organization when provided a description	B.10(A) 2021 item 26 B.10(A) 2019 item 38 B.10(A) 2018 item 39 B.10(A) 2017 item 15 B.10(A) 2017 item 31 B.10(A) 2015 item 39 B.10(A) 2014 item 32 B.10(A) 2013 item 48 B.10(B) 2022 item 19 B.10(B) 2018 item 30 B.10(B) 2018 item 45 B.10(B) 2017 item 27 B.10(B) 2017 item 38 B.10(B) 2016 item 33 B.10(B) 2015 item 30 B.10(B) 2014 item 7 B.10(C) 2018 item 33 B.10(C) 2015 item 36

Stimulus

Investigation*	Demonstration	Graph*	Chart/Table*	Diagram*	Visual/Image/ Illustration*	Web/Cycle/ Chain	Model	Informational Text/List*	Map	Formula/ Equation

Academic Vocabulary

atom	endocrine system*	interaction*	organelle	reproductive system*	stoma*
cell*	excretory system*	lymphatic system	organism*	respiratory system*	system*
cellular reproduction*	filaments*	mesophyll cell*	ovule*	response*	thigmotropism
circulatory system*	feedback loop	molecule	pathogen	roots*	tissue*
community	geotropism*	muscular system*	phloem	shoot system*	transpiration
cuticle	guard cell*	nervous system*	phototropism*	skeletal system*	transport*
defense	homeostasis	nutrient absorption	pith	stem*	vascular system*
digestive system*	immune system*	organ	population*	stigma*	xylem*
ecosystem*	integumentary system*	organ system*	regulation		

*used on STAAR