

New Question Type Samplers — Biology Answer Key

Item Position	Item Type	TEKS Alignment	Maximum Number of Points	Correct Answer(s)
1	Text Entry	4.B.10.B; PS.B.3.A	1	xylem
2	Text Entry	2.B.6.F	1	1 [the expected probability is 1/16]
3	Hot Spot	3.B.7.F; PS.B.3.A	2	The student selects Step 2 (independent assortment) and Step 3 (crossing over) in the diagram.
4	Hot Spot	5.B.12.C	2	The student selects Fin whales, Hake, and Humpback whales in the food web.
5	Drag and Drop	4.B.9.B; PS.B.3.A	2	The student responds clockwise starting at the upper left: Light energy, Oxygen AND Glucose (order does not matter), Chemical energy, Carbon dioxide AND Water (order does not matter).
6	Drag and Drop	3.B.7.C	2	Increase; increase
7	Multipart	4.B.9.A; PS.B.3.A	2	Part A. A: Component W carries out active transport and component X carries out passive transport. Part B. B: Component W uses energy to move molecules from an area of low concentration to an area of high concentration, while component X does not use energy to move molecules from an area of high concentration to an area of low concentration.
8	Multipart	3.B.7.A	2	Part A. B: Retractable claws Part B. B: They have similar DNA sequences.

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				information on whether Prochlorococcus either benefits Alteromonas or has no effect on