

New Question Type Samplers — Grade 8 Science Answer Key

Item Position	Item Type	TEKS Alignment	Maximum Number of Points	Correct Answer(s)
1	Text Entry	1.8.5.A	1	125
2	Text Entry	2.6.9.C	1	<i>chemical; electrical</i>
3	Hot Spot	4.8.11.A; PS.8.2.E	2	The student selects Limpets, Crabs, and Herring.
4	Hot Spot	3.8.10.B; PS.8.2.E	2	The student selects the three areas nearest the “Ls” (low pressure systems) in the diagram.
5	Drag and Drop	3.8.7.B; PS.8.2.D	2	From left to right and top to bottom: Waxing crescent (panel 2); Waxing gibbous (panel 3); Third quarter (panel 1).
6	Drag and Drop	3.8.7.A	2	winter; morning
7	Multipart	2.8.6.C; PS.8.3.A	2	Part A. C: Neither student Part B. D: In both figures, either the forces are different from each other or the masses are different from each other.
8	Multipart	4.8.11.B; PS.8.2.E	2	Part A. A: Drought can affect future generations of some plant populations. Part B. C: Plants with genes for producing flowers early were favored by the environment.
9	Multiselect	1.6.6.B; PS.8.4.A	2	A: The volume of the oval piece of wood is greater than the volume of the lead cube. D: The oval piece of wood is made of holly.
10	Multiselect	2.8.6.B; PS.8.2.E	2	A: An unbalanced force acts on the object between 1 and 2 seconds. E: An unbalanced force causes the object to increase its speed between 6 and 8 seconds.
11	Short Constructed Response	1.7.6.A; PS.8.2.E	2	*A rubric is used to determine the score for a short constructed response. The student response should identify the change in the chalk as a chemical change AND support this finding with the evidence from the investigation. Bubbles indicate the formation of a gas, which could be evidence of a chemical reaction.

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12	Short Constructed Response	4.7.12.D	2	*A rubric is used to determine the score for a short constructed response. The student describes the cell wall as maintaining the shape and structure of the cell AND The cell membrane controls the flow of water into and out of the interior of the cell.