

**Science 10: Life Science
Item-Level Response Report (Provincial Level)**

British Columbia

All Schools

June/2009

Provincial Science 10 Item-Level Response Reports include data for all BC students who wrote the exam in June 2009 (about 33,678 students). Both public and independent schools are included. The Science 10 June 2009 (Life Science) provincial Item-Level Response Report displays the proportion of students who made errors on each test item and a description of the misconception.

Click [here](#) to view the Prescribed Learning Outcomes

Form	Item #	Question type	Prescribed Learning Outcomes	Number of Students who Responded to the Item	Percentage of Students who Answered Incorrectly	Specific Curricular Aspect that Needs Attention [$>20\%$ selected incorrect response]
A	1	MC	B1	33523	25%	*
A	2	MC	B1	33527	13%	• N/A
A	3	MC	B1	33524	22%	*
A	4	MC	B1	33481	27%	*
A	5	MC	B1	33519	23%	*
A	6	MC	B1	33541	6%	• N/A
A	7	MC	B1	33516	28%	*
A	8	MC	B1	33471	61%	• Students did not understand how to interpret the difference between carbon released and carbon stored in the carbon cycle; likely did not refer to the data booklet.

A	9	MC	B1	33504	52%	<ul style="list-style-type: none"> Students did not understand the term "oxygen and carbon dioxide exchange"; incorrectly answered that microbes and worms add oxygen to the atmosphere and remove carbon dioxide; likely did not refer to the data booklet.
A	10	MC	B1	33498	29%	*
A	11	MC	B1	33536	15%	<ul style="list-style-type: none"> N/A
A	12	MC	B1	33539	14%	<ul style="list-style-type: none"> N/A
A	13	MC	B1	33539	18%	<ul style="list-style-type: none"> N/A
A	14	MC	B1	33526	15%	<ul style="list-style-type: none"> N/A
A	15	MC	B2	33483	35%	<ul style="list-style-type: none"> Students did not understand the term "biomagnification"; incorrectly answered that grass would result in the highest concentration of pesticides in a food chain, not birds.
A	16	MC	B3	33496	49%	<ul style="list-style-type: none"> Students did not understand the term "natural selection"; were unable to correctly interpret a comic picture showing natural selection; confused ecological succession with natural selection.
A	17	MC	B3	33534	27%	*
A	18	MC	B3	33511	33%	*
A	19	MC	B3	33521	19%	<ul style="list-style-type: none"> N/A
A	20	MC	B1	33513	15%	<ul style="list-style-type: none"> N/A

A	21	MC	B3	33519	28%	*
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Note:

'*' indicates that there were fewer than 20% of the students who selected any of the possible incorrect answers to the item, hence, no curricular note is reported;

'N/A' indicates that there were fewer than 20% of the students who incorrectly answered the item, hence, no curricular note is reported.

Question Type: Multiple Choice (MC).