



SCIENCE SUMMARY TABLE

Grade 5

The summary table below may be used with the grade 5 science Paper-Based Item Sampler or Online Tools Training (OTT). It provides an answer key, alignment to the Alaska standards, and depth of knowledge level for each question. Please note, there are two different answer keys for each grade level: one for the paper-based item samplers and one for the OTT.

Paper-Based Item Sampler - Part 1

Question #	Answer Key	Alignment	DOK
1	A, C	4-ESS2-1	2
2	A	4-LS1-1	2
3	D	3-LS4-3	3
4	C	5.PS1-2	2
5	A	3-LS1-1	2

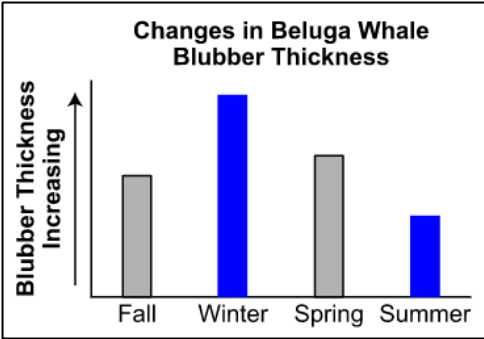
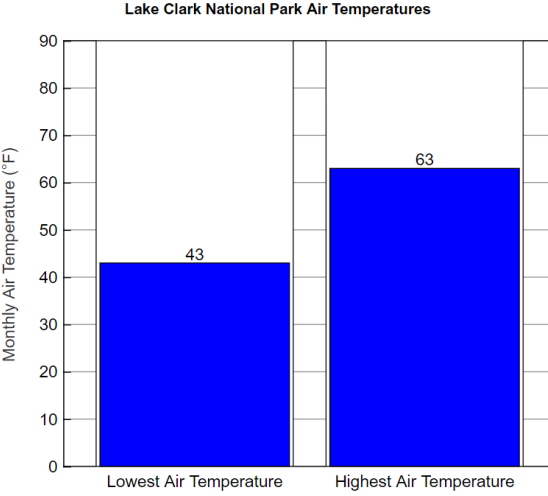
Paper-Based Item Sampler - Part 2

Question #	Answer Key	Alignment	DOK
6	D	3-ESS2-1	2
7	B	3-ESS2-2	2
8	A	4-LS1-1	2
9	Part A: C Part B: B	4-LS1-1	2
10	A	5-ESS1-2	2

Paper-Based Item Sampler - Part 3

Question #	Answer Key	Alignment	DOK
11	B	5-ESS2-1	2
12	A, E	5-PS2-1	2
13	Part A: A Part B: B	5-PS3-1	3
14	B	3-LS4-1	2
15	A	5-PS1-2	2

OTT - Part 1

Question #	Answer Key	Alignment	DOK
1	A, C	4-ESS2-1	2
2	D1: lower jawbone D2: brain	4-LS1-1	2
3	<p>Part A</p>  <p>Part B D1: winter D2: it helps the whale survive cold water temperatures</p>	3-LS4-3	3
4	<p>Observations</p> <p>The fossil tracks have three toes.</p> <p>The fossil tracks are different sizes.</p> <p>The original tracks formed in mud that dried quickly.</p> <p>The original tracks formed at a specific time in history.</p>	3-LS4-1	2
5	<p>Part A</p>  <p>Part B: B</p>	3-ESS2-1	3

OTT - Part 2

Question #	Answer Key	Alignment	DOK
6	D1: 1 D2: increases D3: increasing	3-ESS2-1	2
7	B	3-ESS2-2	2
8	A	3-LS3-2	2
9	Part A: C Part B: B	4-LS1-1	2
10	A	5-ESS1-2	2

OTT - Part 3

Question #	Answer Key	Alignment	DOK																									
11	<table border="1"> <thead> <tr> <th></th> <th>Hydrosphere and Atmosphere</th> <th>Biosphere and Geosphere</th> <th>Geosphere and Atmosphere</th> <th>Atmosphere and Biosphere</th> </tr> </thead> <tbody> <tr> <td>Plants take in CO₂ from the air.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Decomposers break down carbon underground.</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Methane gas is released from the ground to the air.</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>CO₂ from the air is taken in by oceans.</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		Hydrosphere and Atmosphere	Biosphere and Geosphere	Geosphere and Atmosphere	Atmosphere and Biosphere	Plants take in CO ₂ from the air.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Decomposers break down carbon underground.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Methane gas is released from the ground to the air.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CO ₂ from the air is taken in by oceans.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5-ESS2-1	2
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12	Part A: subtracted from Part B: 4	5-PS1-2	2																									
13	A, E	5-PS2-1	2																									
14	<p>Part A</p> <div style="border: 1px solid black; padding: 5px;"> <p>Addition to the Model:</p> <div style="border: 2px solid blue; padding: 5px; margin-bottom: 10px;"> <p>The sun should be added to the model, with one arrow pointing from the sun to the tree.</p> </div> <p>Earth's core should be added to the model, with one arrow pointing from the core to the tree.</p> <p>The sun should be added to the model, with one arrow pointing from the sun to the tree and a second arrow pointing from the sun to the cow.</p> </div> <p>Part B</p> <div style="border: 1px solid black; padding: 5px;"> <p>Description:</p> <p>The tree and the cow use the same type of energy for life processes.</p> <div style="border: 2px solid blue; padding: 5px; margin-top: 10px;"> <p>The tree must change the energy it uses to a form that the cow can use.</p> </div> </div>	5-PS3-1	3																									
15	A	5-PS1-2	2																									