

This document contains the answer keys and rubrics for the LEAP Connect Grade 4 Science Practice Test. Information related to item complexity is indicated in the column labeled “Tier” (i.e., 1-4) in the Grade 4 Science Practice Test – Sessions 1-2 tables. Additional information about the item complexity is located in the [LEAP Connect Assessment Guides for Grades 3-5](#).

### Item Type Key

MC – multiple choice

CR – constructed response

### Grade 4 Science Practice Test – Session 1

Session 1					
Item #	Item Type	Value (points)	Answer	Tier	LC Alignment
1	MC	1	A	2	LC-4-PS3-1b
2	MC	1	B	1	LC-4-PS3-4a
3	CR	1	Rubric	3	LC-4-PS3-4a
4	MC	1	C	2	LC-4-PS3-3a
5	MC	1	C	4	LC-4-PS3-3a
6	MC	1	A	1	LC-4-LS1-1a
7	MC	1	B	3	LC-4-LS1-1a
8	MC	1	A	3	LC-4-LS1-2b
9	MC	1	A	2	LC-4-ESS3-2a
10	MC	1	C	3	LC-4-ESS1-1a
11	MC	1	C	3	LC-4-ESS2-2a
12	MC	1	B	1	LC-4-ESS1-1a
13	MC	1	B	2	LC-4-ESS2-1b
14	MC	1	C	2	LC-4-ESS3-2a
15	MC	1	B	1	LC-4-PS3-1b
16	MC	1	B	2	LC-4-PS4-1b

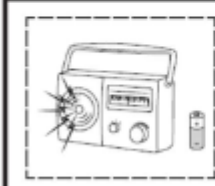


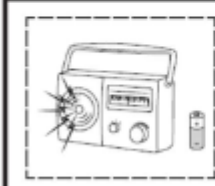


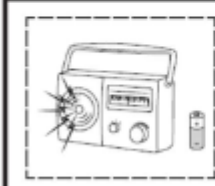


### Grade 4 Science Practice Test – Session 2

Session 2					
Item #	Item Type	Value (points)	Answer	Tier	LC Alignment
17	MC	1	C	2	LC-4-PS3-4a
18	MC	1	C	3	LC-4-PS3-3a
19	MC	1	A	4	LC-4-PS3-1b
20	CR	1	Rubric	2	LC-4-LS1-2b
21	MC	1	B	2	LC-4-LS1-1a
22	MC	1	C	3	LC-4-LS1-2b
23	MC	1	A	4	LC-4-PS4-1b
24	MC	1	A	1	LC-4-PS4-1b
25	MC	1	B	3	LC-4-ESS3-2a

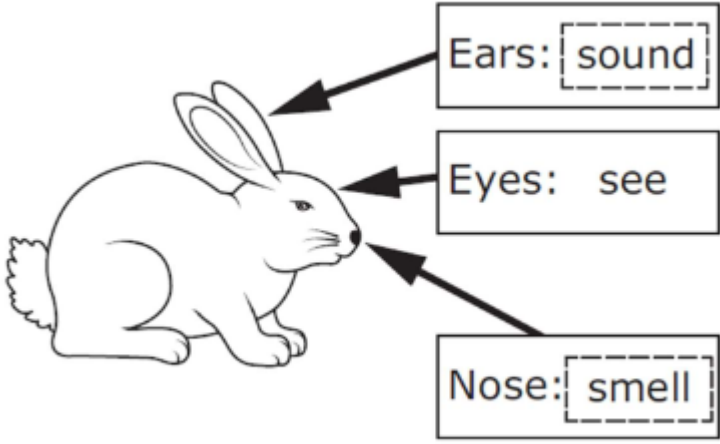


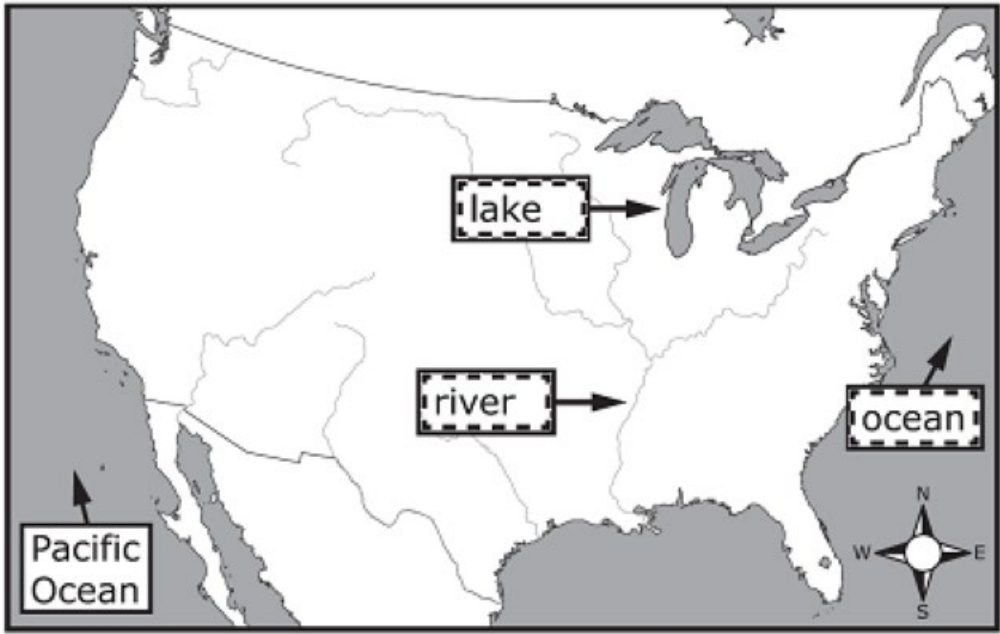
26	MC	1	C	2	LC-4-ESS1-1a
27	MC	1	A	1	LC-4-ESS2-1b
28	MC	1	C	3	LC-4-ESS2-1b
29	MC	1	B	3	LC-4-ESS2-2a
30	CR	1	Rubric	4	LC-4-ESS2-2a

#### Grade 4 Science Practice Test – Constructed Response Rubrics

Session 1 – Item 3							
Score	Description						
1	<p>Student correctly places the radio in the ‘Sound’ category and the flashlight in the ‘Light’ category in the chart.</p> <p>Sample Student Response:</p> <p style="text-align: center;"><b>Chemical Energy Conversions</b></p> <table><tr><th>Sound</th><th>Motion</th><th>Light</th></tr><tr><td></td><td></td><td></td></tr></table>	Sound	Motion	Light			
Sound	Motion	Light					
							
0	<p>Student does not correctly place the radio in the ‘Sound’ category and the flashlight in the ‘Light’ category in the chart.</p>						



Session 2 – Item 20	
Score	Description
1	<p>Student correctly matches sound with rabbit's ears and smell with rabbit's nose.</p> <p>Sample Student Response:</p> 
0	Student does not correctly match sound with rabbit's ears and smell with rabbit's nose.

Session 2 – Item 30	
Score	Description
1	<p>Student correctly identifies the locations of the ocean, river, and lake.</p> <p>Sample Student Response:</p> <p><b>Map of the United States</b></p> 
0	Student does not correctly identify the locations of the ocean, river, and lake.