This document contains the answer keys and rubrics for the LEAP Connect High School Science Practice Test. Information related to item complexity is indicated in the column labeled "Tier" (i.e., 1-4) in the High School Science Practice Test – Sessions 1-2 tables. Additional information about the item complexity is located in the _LEAP Connect Assessment Guides for High School_.

Item Type Key

MC – multiple choice

CR – constructed response

High School Science Practice Test – Session 1

Session 1					
Item #	Item Type	Value (points)	Answer	Tier	LC Alignment
1	MC	1	B	2	LC-HS-LS1-2a
2	MC	1	A	1	LC-HS-LS1-2a
3	MC	1	A	1	LC-HS-LS1-3a
4	MC	1	C	3	LC-HS-LS1-2a
5	MC	1	C	4	LC-HS-LS1-3a
6	MC	1	B	1	LC-HS-LS1-3a
7	MC	1	C	2	LC-HS-LS2-6a
8	MC	1	B	2	LC-HS-LS2-6a
9	MC	1	A	3	LC-HS-LS2-7a
10	MC	1	B	2	LC-HS-LS3-2a
11	MC	1	C	3	LC-HS-LS3-3a
12	CR	1	Rubric	3	LC-HS-LS3-3a
13	MC	1	A	2	LC-HS-LS3-3a
14	MC	1	B	1	LC-HS-LS4-2b
15	MC	1	B	4	LC-HS-LS4-5a

High School Science Practice Test – Session 2

Session 2					
Item #	Item Type	Value (points)	Answer	Tier	LC Alignment
16	MC	1	B	1	LC-HS-LS1-8c
17	MC	1	A	2	LC-HS-LS1-8c
18	MC	1	A	2	LC-HS-LS1-8d
19	MC	1	C	3	LC-HS-LS1-8d
20	CR	1	Rubric	3	LC-HS-LS1-8d
21	MC	1	B	4	LC-HS-LS1-2a
22	CR	1	Rubric	2	LC-HS-LS2-7a
23	MC	1	B	1	LC-HS-LS2-7a
24	MC	1	C	3	LC-HS-LS2-6a
25	MC	1	C	2	LC-HS-LS3-2a

26	MC	1	B	3	LC-HS-LS3-2a
27	MC	1	C	4	LC-HS-LS4-2b
28	MC	1	A	2	LC-HS-LS4-2b
29	MC	1	A	3	LC-HS-LS4-5a
30	MC	1	B	2	LC-HS-LS4-5a

High School Science Practice Test – Constructed Response Rubrics

Session 1 – Item 12	
Score	**Description**
1	Student correctly shows the top right box inherits 'R' from the purple flower and 'r' from the white flower, to make 'Rr'; the bottom left box inherits an 'r' from both parents, to make 'rr'; and the bottom right box inherits an 'r' from both parents, to make 'rr'. Sample Student Response:
0	Student does not correctly show the top right box inherits 'R' from the purple flower and 'r' from the white flower, to make 'Rr'; the bottom left box inherits an 'r' from both parents, to make 'rr'; and the bottom right box inherits an 'r' from both parents, to make 'rr'.

Session 2 – Item 20	
Score	**Description**
1	Student correctly sorts 'Get immunized against diseases' and 'Cover your mouth and nose when you sneeze' below 'Things People Do to Prevent Infection' and 'See a doctor for the right medicine' below 'Things People Do During an Infection.' Sample Student Response: <table><tr><th>Things People Do to Prevent Infection</th><th>Things People Do During an Infection</th><th>Things People Do When Recovering from an Infection</th></tr><tr><td>Get immunized against diseases. Cover your mouth and nose when you sneeze.</td><td>See a doctor for the right medicine.</td><td>Keep a healthy diet while getting better.</td></tr></table>
0	Student does not correctly sort 'Get immunized against diseases' and 'Cover your mouth and nose when you sneeze' below 'Things People Do to Prevent Infection' and 'See a doctor for the right medicine' below 'Things People Do During an Infection.'

Session 2 – Item 22	
Score	**Description**
1	Student correctly sorts 'plant trees' and 'protect wildlife' under the label, 'Humans Positive Effect on the Environment' and 'burn trash' under the label, 'Humans Negative Effect on the Environment.' Sample Student Response: **Ways Humans Affect the Environment** <table><tr><th>Humans Positive Effect on the Environment</th><th>Humans Negative Effect on the Environment</th></tr><tr><td>plant trees protect wildlife</td><td>burn trash</td></tr></table>
0	Student does not correctly sort 'plant trees' and 'protect wildlife' under the label, 'Humans Positive Effect on the Environment' and 'burn trash' under the label, 'Humans Negative Effect on the Environment.'