

# STAAR Spring 2025 Grade 5 Science Answer Key

Item Position	Item Type	TEKS Assessed	Maximum Number of Points	Correct Answer(s)	Reporting Category	Readiness or Supporting
1	Multiple Choice	3.12(D)	1	C	4	Supporting
2	Multiple Choice	5.8(C)	1	B	2	Readiness
3	Multiselect	3.13(B)	2	B, D See Appendix 1.1	4	Supporting
4	Multiple Choice	5.9(A)	1	B	3	Readiness
5	Drag and Drop	5.13(A)	2	See Appendix 1.2	4	Readiness
6	Multiple Choice	5.10(C)	1	C	3	Readiness
7	Multiple Choice	5.6(A)	1	D	1	Readiness
8	Multiple Choice	3.6(C)	1	C	1	Supporting
9	Multiple Choice	5.12(A)	1	C	4	Readiness
10	Multiple Choice	5.10(B)	1	A	3	Readiness
11	Hot Spot	5.8(B)	2	See Appendix 1.3	2	Readiness
12	Multiple Choice	5.6(C)	1	C	1	Supporting
13	Multipart	5.9(A)	2	A, D	3	Readiness

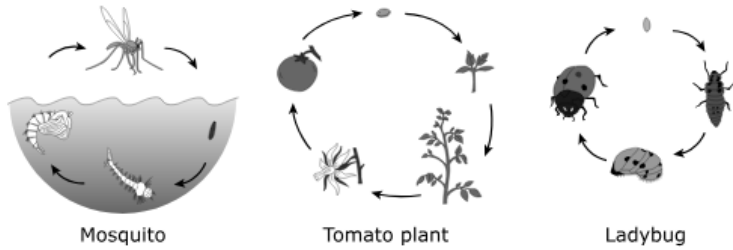
14	Short Constructed Response	5.13(A)	2	See Appendix 1.4	4	Readiness
15	Multiple Choice	4.10(A)	1	C	3	Supporting
16	Multiple Choice	5.6(A)	1	B	1	Readiness
17	Multipart	5.8(C)	2	B, C	2	Readiness
18	Multiple Choice	5.8(B)	1	B	2	Readiness
19	Multiple Choice	5.6(B)	1	D	1	Supporting
20	Multiple Choice	5.13(A)	1	A	4	Readiness
21	Multiple Choice	5.6(C)	1	D	1	Supporting
22	Multiple Choice	5.8(B)	1	D	2	Readiness
23	Multiple Choice	3.13(B)	1	A	4	Supporting
24	Multiselect	3.12(D)	2	B, E See Appendix 1.5	4	Supporting
25	Multiple Choice	5.10(C)	1	C	3	Readiness
26	Multiple Choice	5.12(A)	1	A	4	Readiness
27	Multiple Choice	5.10(B)	1	D	3	Readiness
28	Multiple Choice	5.7(B)	1	C	2	Supporting
29	Multiple Choice	3.10(C)	1	D	3	Supporting

30	Multiple Choice	5.12(A)	1	B	4	Readiness
31	Multiple Choice	3.7(B)	1	A	2	Supporting
32	Multiple Choice	5.10(B)	1	B	3	Readiness

# STAAR Spring 2025 Grade 5 Science Appendix

## 1.1

The life cycles of three organisms are shown.



Which statements about the life cycles are correct?

Select **TWO** correct answers.

- ☐ The tomato plant should have a pupa stage.
- ☒ Part of the mosquito life cycle occurs in water.
- ☐ In all the life cycles, the young organisms look like the adult organisms.
- ☒ The seed of the tomato plant is like the egg of the ladybug and the mosquito.
- ☐ An adult is not needed in the plant life cycle, because plants come from seeds.

## 1.2

Adaptations of three animals are shown in the table.

	Fennec Fox	Badger	Hare
Image			
Adaptations	<ul style="list-style-type: none"> <li>• Large ears for cooling</li> <li>• Light color fur for camouflage</li> </ul>	<ul style="list-style-type: none"> <li>• Sharp claws to dig burrows</li> <li>• Flattens body to get through soil</li> </ul>	<ul style="list-style-type: none"> <li>• Thick fur</li> <li>• Small body to save heat</li> </ul>

Based on the table, in which environment is each animal **MOST LIKELY** found?

Move the correct answer to each box in the table.

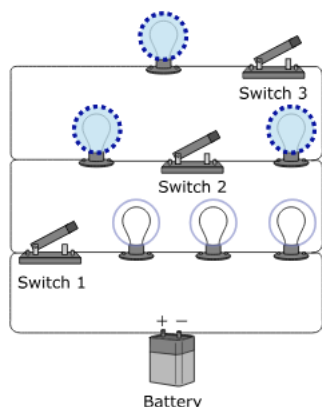
Arctic Desert Prairie Ocean Wetlands

Animal	Environment
Fennec fox	Desert
Badger	Prairie
Hare	Arctic

### 1.3



In the electric circuit shown, which lightbulbs will shine when Switch 1 is open and Switches 2 and 3 are closed?

Select **THREE** correct answers.



### 1.4

Characteristics of the Atlantic puffin and the European starling are shown in the table.

Characteristic	Atlantic Puffin	European Starling
Habitat	Rocky coasts, open water of the North Atlantic Ocean	Cities, parks, open fields
Food Sources	Small fish, small shellfish	Insects, spiders, seeds, berries, fruit
Features	Wide, triangular beak; spiny tongue for holding prey; webbed feet; short wings	Long, pointed beak; strong legs and toes; long, triangular wings
Egg Laying	One egg laid per year	Four to six eggs laid twice per year
		

The European starling has a population size of about 150 million individuals, while the Atlantic puffin has a population size between 12 million and 14 million individuals.

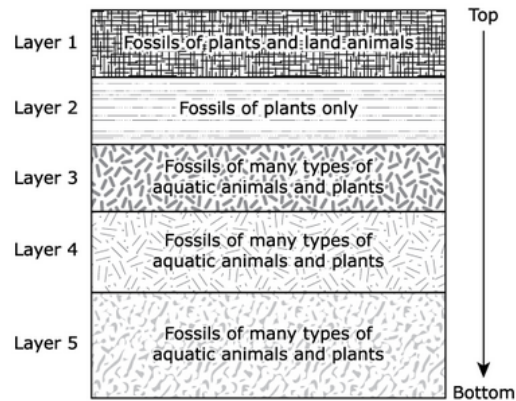
Explain **TWO** likely reasons why the European starling has a greater population size than the Atlantic puffin.

Read the information in the table carefully. Then enter your answer in the box provided.

Starlings lay more eggs or produce more eggs per year. Starlings produce eggs more frequently. OR Puffins lay fewer eggs or produce fewer eggs per year. Puffins produce eggs less frequently.

## 1.5

Scientists examine the diagram shown, which has information about the fossils found in different layers of rock.



The scientists believe that a sudden change in the environment at one point led to the disappearance of all the animals in the area.

Which statements are supported by the information in the diagram?

Select **TWO** correct answers.

- ☐ Large trees most likely grew in Layers 4 and 5.
- ☒ At one time the entire area was covered by an ocean.
- ☐ The formation of Layer 4 occurred before the formation of Layer 5.
- ☐ Layer 1 supported only large populations of aquatic plants.
- ☒ The disappearance of the animals occurred before the formation of Layer 1.