

Biology Science Answer Key

Item Number	Item Type	TEKS	Maximum Number of Points	Correct Answer(s)	Reporting Category	Readiness and Supporting
		4.B.9.B	1	A	4	Supporting
3	Short Constructed Response	5.B.12.C	2	See Appendix 1.1	5	Readiness
4	Multiple Choice	1.B.5.B	1	B	1	Supporting
5	Multiple Choice	2.B.6.E	1	D	2	Readiness
6	Multipart	5.B.11.B	2	A, C	5	Readiness
7	Drag and Drop	1.B.4.C	2	Utilize a capsid structure, Contain genetic material, Have active metabolism, Replicate independently See Appendix 1.2	1	Readiness
		1.B.4.B	1	B	1	Readiness
10	Text Entry	2.B.6.F	1			Readiness
11	Drag and Drop	1.B.4.A	2	Prokaryotic cells, Eukaryotic cells, Eukaryotic cells, Eukaryotic cells See Appendix 1.4	1	Supporting

12	Multiple Choice	3.B.8.C	1	D	3	Supporting
13	Drag and Drop	4.B.10.A	2	endocrine, circulatory See Appendix 1.5	4	Readiness
14	Multiple Choice	5.B.11.A	1	D	5	Supporting
15	Multiple Choice	3.B.8.B	1	B	3	Readiness
16	Multiple Choice	4.B.9.A	1	C	4	Readiness
17	Multiple Choice	1.B.5.A	1	A	1	Readiness
18	Multiple Choice	4.B.10.B	1	C	4	Readiness
19	Short Constructed Response	2.B.6.E	2	See Appendix 1.6	2	Readiness
20	Multiple Choice	3.B.7.E	1	B	3	Readiness
21	Multiple Choice	4.B.10.A	1	D	4	Readiness
22	Multiple Choice	1.B.4.B	1	C	1	Readiness
23	Multiple Choice	2.B.6.B	1	B	2	Supporting
24	Multiple Choice	1.B.4.C	1	B	1	Readiness
25	Multiple Choice	5.B.12.D	1	A	5	Supporting

26

Multiple Choice

2.B.6.G

1

C

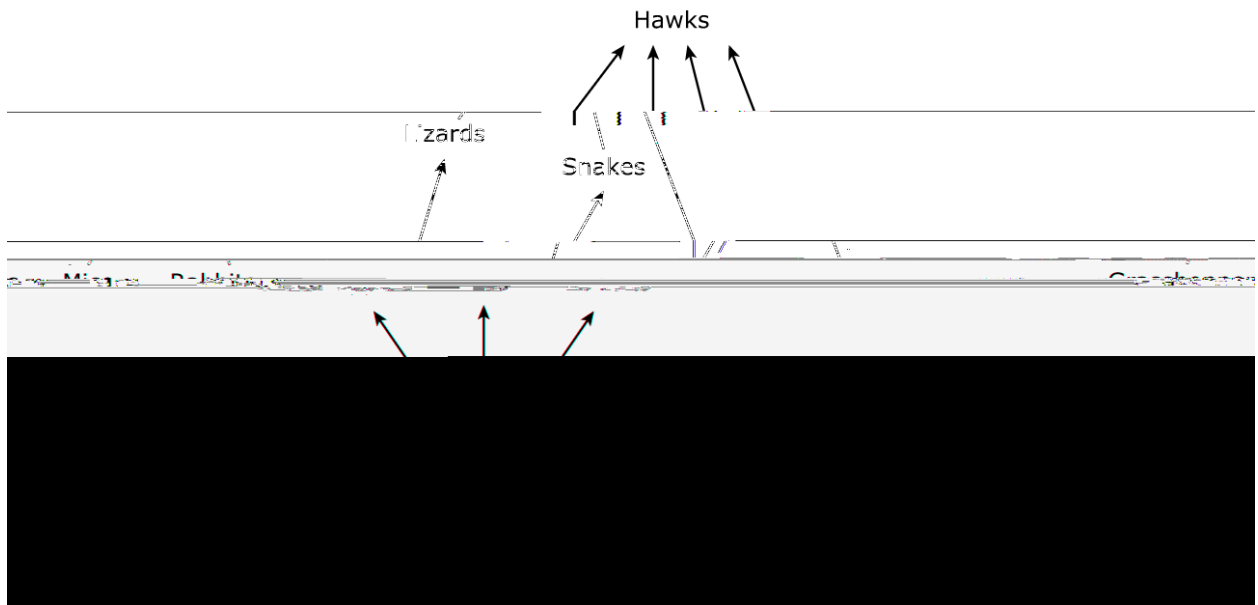
2

Biology Science

Appendix

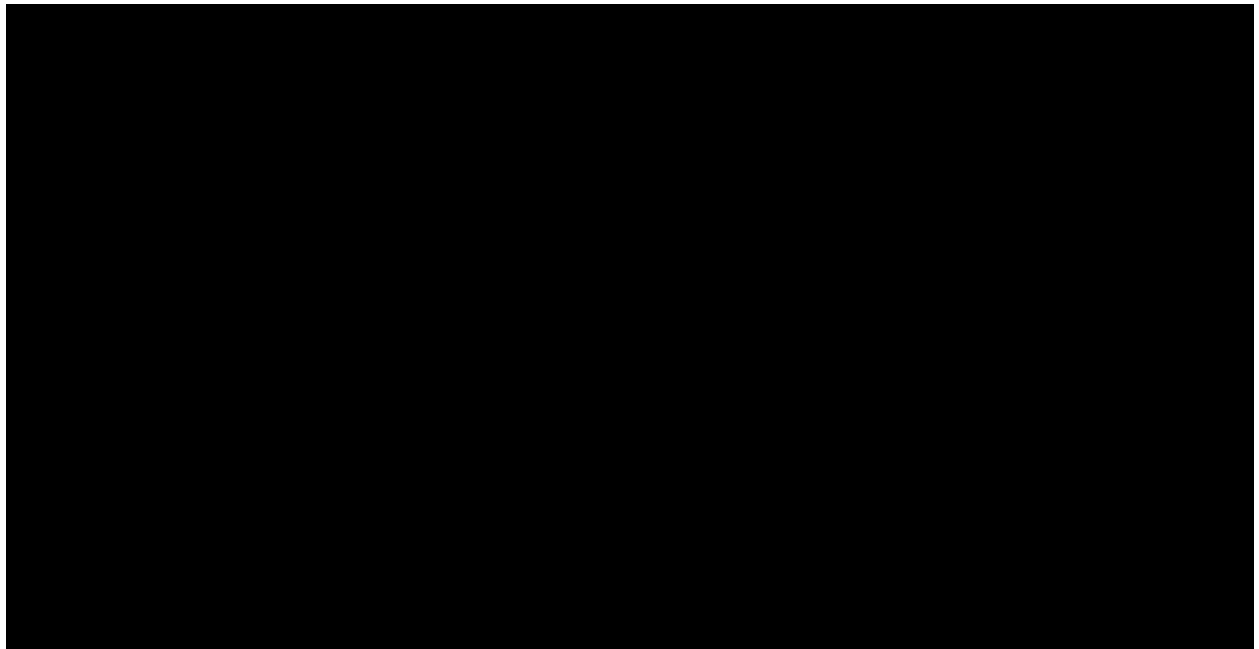
1.1

A food web is shown.



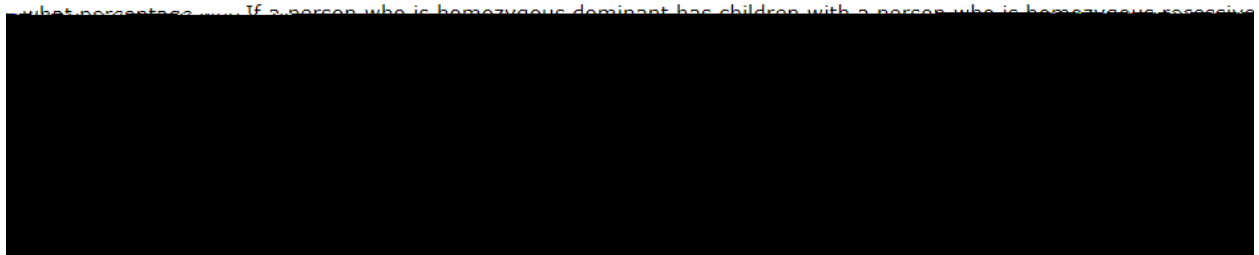
The student describes and explains **one** of the following: increase in grasses (because mice consume grasses), decrease in snakes (because snakes consume mice), decrease in rabbits (because hawks would prey upon more rabbits in the absence of mice as a food source), decrease in lizards (because hawks would prey upon more lizards in the absence of mice as a food source), decrease in hawks (because hawks consume mice as a food source), or increase in grasshoppers (because grasshoppers compete with mice for the grasses as a food source).

1.2



1.3

What percentage of the offspring will be heterozygous dominant? If a person who is homozygous dominant has children with a person who is homozygous recessive



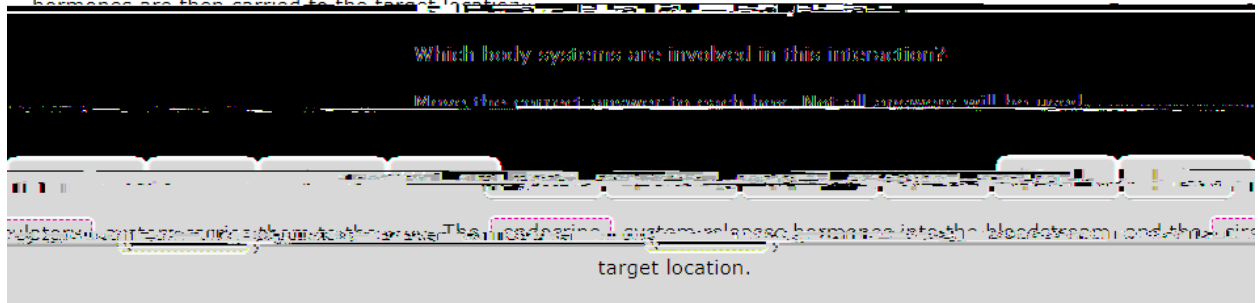
1.4

Scientists observe the traits of cells on four microscope slides and record their observations in a table. Based on the scientists' observations, identify the cell type for each microscope slide in the table.

Prokaryotic cells			Eukaryotic cells
Slide 2	Slide 3	Slide 4	Slide 1
Eukaryotic cells	Eukaryotic cells	Eukaryotic cells	Prokaryotic cells
Reproduce through mitosis	Have a membrane-bound nucleus	Have mitochondria	Are single-celled

1.5

The body sometimes needs to send messages long distances by releasing hormones into the bloodstream. The hormones are then carried to the target location.



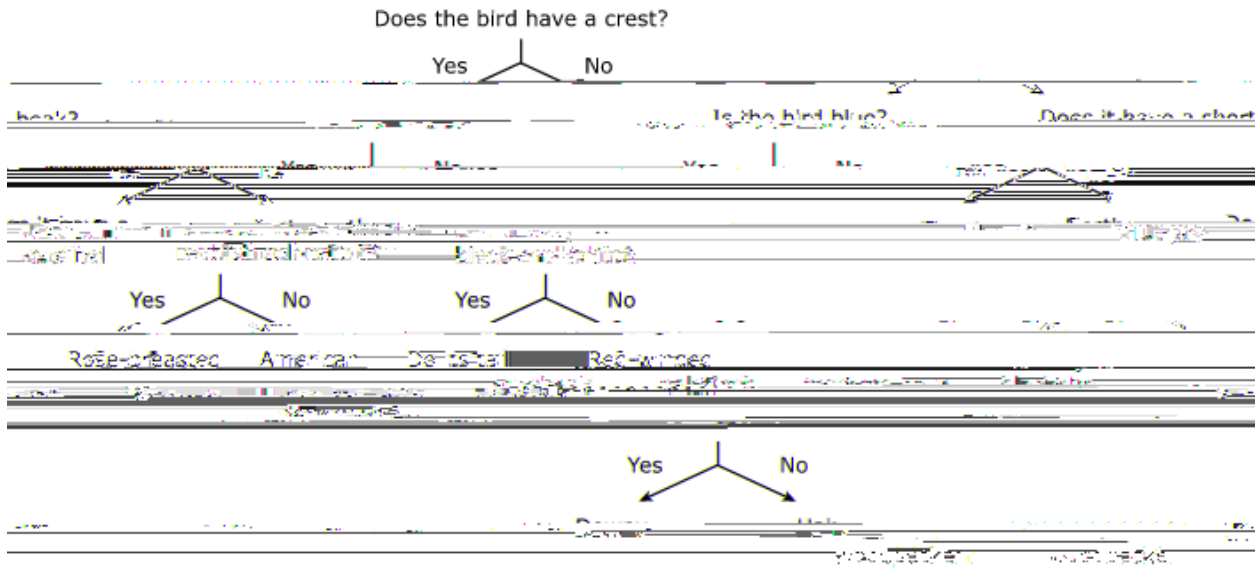
1.6

‡

‡

The student identifies that **Mutation 2**

A student creates a dichotomous key to identify birds.



airy woodpecker? Based on the key, which characteristics are shared by the red-winged blackbird and the hairy woodpecker? Select **TWO** correct answers.

Is not blue

Does not have a short beak

Is not mostly black and white

It has feathers with dark spots

Does not have ta