Released Items

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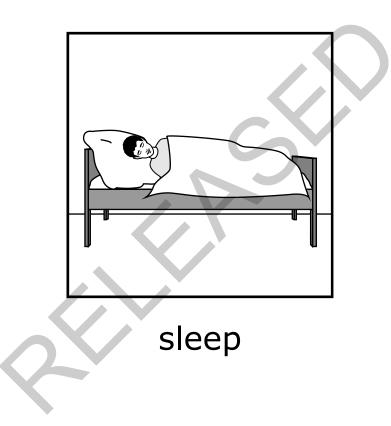
NCEXTEND1 Biology

Public Schools of North Carolina Department of Public Instruction | State Board of Education Division of Accountability Services/North Carolina Testing Program

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What does the human body do to cool down in high temperatures?

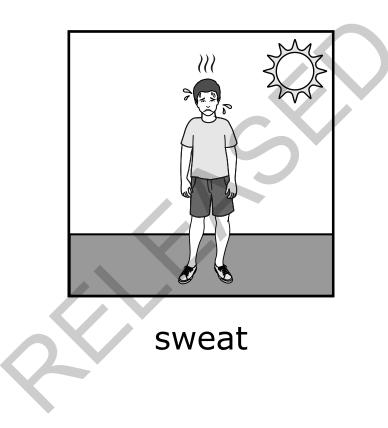
Item 1 Stem Biology



Item 1 Card A Biology



Item 1 Card B Biology



Item 1 Card C Biology

The picture below shows a prokaryotic cell and a eukaryotic cell.

prokaryotic cell

Item 2 Stimulus Biology

Which statement describes these cells?

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Item 2 Stem Biology

Prokaryotic cells have the same organelles as eukaryotic cells.

Prokaryotic cells have fewer organelles than eukaryotic cells.

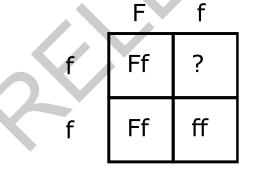
Item 2 Card B Biology

Prokaryotic cells have more organelles than eukaryotic cells.

This picture shows a man with freckles.



This Punnett square shows whether children of the man with freckles (Ff) and a woman with no freckles (ff) will have freckles.



Item 3 Stimulus Biology

Which choice completes the Punnett square?

FF

Item 3 Card A Biology



Item 3 Card B Biology

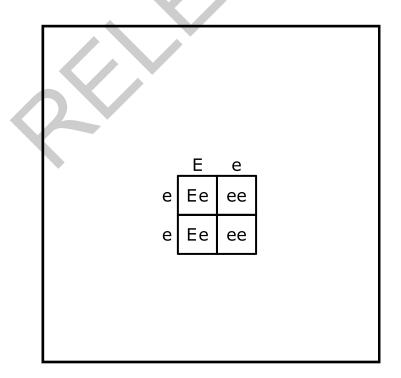
ff

Item 3 Card C Biology

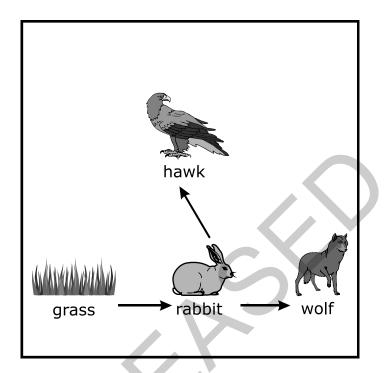
Questions 4–5 are part of an item set. Use the following information to answer the questions.

Rabbits in the Grass

In a species of rabbit, a single trait determines whether the rabbit has small ears (ee) or large ears (EE, Ee). A male rabbit with large ears (Ee) mates with a female rabbit with small ears (ee). The Punnett square below shows the results.

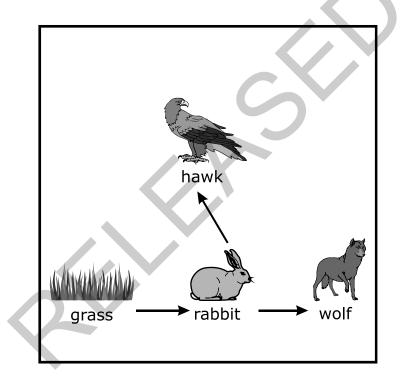


The rabbits live in a grassy field. The picture below shows the food web for the field ecosystem.



Birds flying overhead can easily see the rabbits with large ears because their ears stick out above the grass.

This food web is from the selection.



RELEASED

Item 4 Stimulus Biology

The rabbit population in the field decreases. What will happen to the wolves?

The wolves will have less food.

Item 4 Card A Biology

There will be more wolves.

Item 4 Card B Biology

The wolves will begin eating grass.

Item 4 Card C Biology

Which adaptation helps rabbits survive, based on the selection?

Item 5 Stem Biology



Item 5 Card A Biology

small ears

Item 5 Card B Biology



Item 5 Card C Biology

EXTEND1 Biology Released Form April 2025

Answer Key

Question Number	Кеу	Standard
1	С	LS.Bio.2.1
2	В	LS.Bio.1.4
3	С	LS.Bio.7.1
4	А	LS.Bio.5.1
5	В	LS.Bio.10.1

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