

Tennessee Comprehensive Assessment Program

TCAP

Biology Alternative Assessment Item Release





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Metadata Interpretation Guide – ALT Science and Social Studies

ITEM INFORMATION

ETS Item Code:	TAS01S0477	Category:	Biodiversity and Change
Item ID:	1273	Correct Answer:	B
DOK Level:	2	Content:	Science
Level:	1	Grade:	10
Standard Code:	3210.5.1	Item Type:	SR
Standard Text:	Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.	Points:	1
AAT or UC Text:	Compare physical characteristics of animals advantageous for survival in their environments.	AAT or UC:	UC

METADATA DEFINITIONS

ETS Item Code: Unique letter/number code used to identify the item.	Category: Text of the Reporting Category the standard assesses.
Item ID: Unique number code the vendor uses to identify the item internally.	Correct Answer: Correct answer. For multi part items correct answers are listed in order, separated by a comma.
DOK Level: (if listed): Depth of Knowledge (cognitive complexity) is measured on the following scale: 2 = Memorize/Recall, 3 = Performance, 4 = Comprehension.	Content: Subject.
Level: Tier, on the following scale: 1 = SR item with two options, lower complexity; 2 = SR item with three options, moderate complexity; 3 = MP item includes 3 questions with two answer options each, higher complexity.	Grade: Grade level.
Standard Code: Primary educational standard assessed.	Item Type: SR for single response multiple choice item, MP for multiple part multiple choice items.
Standard Text: Text of the educational standard assessed.	Points: Maximum points possible for this item.
AAT or UC Text: Text of the Alternate Assessment Target or Underlying concept	AAT or UC: Alternate Assessment Target or Underlying Concept.

Biology ALT Items

Item Information

ETS Item Code: TAS01S0477

Item ID: 1273

DOK Level: 2

Level: 1

Standard Code: 3210.5.1

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Compare physical characteristics of animals advantageous for survival in their environments.

Category: Biodiversity and Change

Correct Answer: B

Content: Science

Grade: 10

Item Type: SR

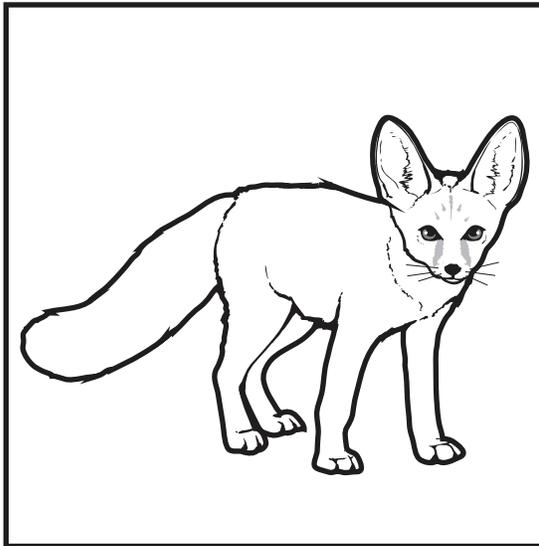
Points: 1

AAT or UC: UC

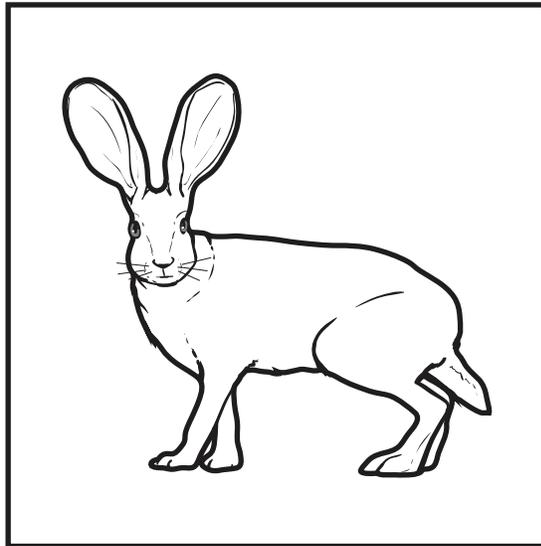
This is about how animals survive in their environment.

Jackrabbits and desert foxes are both found in the hot, dry desert. Both animals have large ears.

Desert Fox



Jackrabbit



How does having large ears help these animals survive in the desert?

- A. Large ears help the animals run fast.
- B. Large ears help the animals get rid of heat.

Item Information

ETS Item Code: TAS01S0478

Item ID: 1274

DOK Level: 3

Level: 2

Standard Code: 3210.5.1

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Identify how a plant or animal adapts to changes in their environments.

Category: Biodiversity and Change

Correct Answer: A

Content: Science

Grade: 10

Item Type: SR

Points: 1

AAT or UC: AAT

This is about how organisms adapt to changes in their environment.

Summer**Winter**

How does changing fur color help snowshoe hares survive?

- A. Changing fur color helps snowshoe hares blend in with the environment.
- B. Changing fur color helps snowshoe hares find grass to eat in the environment.
- C. Changing fur color helps snowshoe hares move faster in the environment.

Item Information

ETS Item Code: TAS01S0479

Content: Science

Item ID: 1275

Grade: 10

DOK Level: 4

Item Type: MP

Level: 3a

Points: 3

Standard Code: 3210.5.1

AAT or UC: AAT

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Identify how a plant or animal adapts to changes in their environments.

Category: Biodiversity and Change

Correct Answer: A,B,A

This is about how living organisms adapt to their environment.

Use this information to answer these questions.

Antarctic seals have fur and a thick layer of blubber. Do these adaptations help seals stay warm in a cold climate?

A. YES

B. NO

A male lion has a mane surrounding its face. Does this adaptation help the lion run fast?

A. YES

B. NO

Some types of monkeys make noises to warn each other about approaching predators. Does this adaptation help the monkeys avoid danger?

A. YES

B. NO

Item Information

ETS Item Code: TAS01S0480

Content: Science

Item ID: 1276

Grade: 10

DOK Level: 4

Item Type: MP

Level: 3b

Points: 3

Standard Code: 3210.5.1

AAT or UC: AAT

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Identify how a plant or animal adapts to changes in their environments.

Category: Biodiversity and Change

Correct Answer: A,A,B

This is about how living organisms adapt to their environment.

Use this information to answer these questions.

Chimpanzees use branches as tools to get honey from a bee colony. Does this adaptation help chimpanzees get food?

A. YES

B. NO

A desert cactus stores water in its stems and roots. Does this adaptation help the plant survive in the dry desert?

A. YES

B. NO

Ants leave scent trails to help other ants find food sources. Does this adaptation help ants avoid danger?

A. YES

B. NO

Biology ALT Directions for Test Administration (Teacher Book)

Item Information

ETS Item Code: TAS01S0477

Content: Science

Item ID: 1273

Grade: 10

DOK Level: 2

Item Type: SR

Level: 1

Points: 1

Standard Code: 3210.5.1

AAT or UC: UC

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Compare physical characteristics of animals advantageous for survival in their environments.

Category: Biodiversity and Change

Correct Answer: B

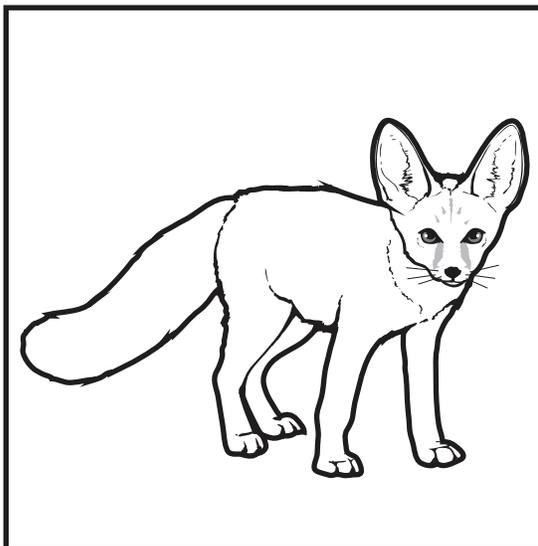
This is about how animals survive in their environment.

Jackrabbits and desert foxes are both found in the hot, dry desert. Both animals have large ears.

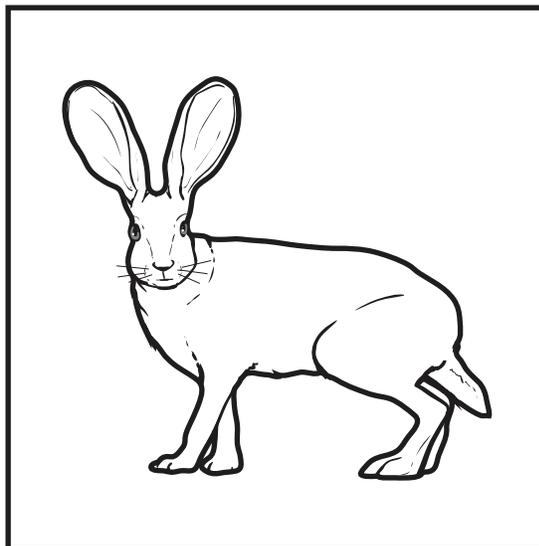
Point to the pictures.

[For all students, read "This is a desert fox. Here are its large ears (point to the desert fox's ears). This is a jackrabbit. Here are its large ears (point to the jackrabbit's ears)."]

Desert Fox



Jackrabbit



How does having large ears help these animals survive in the desert?

Point to and read each option to the student.

- A. Large ears help the animals run fast.
- B. Large ears help the animals get rid of heat.

Item Information

ETS Item Code: TAS01S0478

Item ID: 1274

DOK Level: 3

Level: 2

Standard Code: 3210.5.1

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Identify how a plant or animal adapts to changes in their environments.

Category: Biodiversity and Change

Correct Answer: A

Content: Science

Grade: 10

Item Type: SR

Points: 1

AAT or UC: AAT

This is about how organisms adapt to changes in their environment.

Point to the pictures.

[For all students, read "This is a snowshoe hare in the summer. It has dark-colored fur (point to the snowshoe hare in Summer). This is a snowshoe hare in the winter. It has light-colored fur (point to the snowshoe hare in Winter)."]

Summer**Winter**

How does changing fur color help snowshoe hares survive?

Point to and read each option to the student.

- A. Changing fur color helps snowshoe hares blend in with the environment.
- B. Changing fur color helps snowshoe hares find grass to eat in the environment.
- C. Changing fur color helps snowshoe hares move faster in the environment.

Item Information

ETS Item Code: TAS01S0479

Content: Science

Item ID: 1275

Grade: 10

DOK Level: 4

Item Type: MP

Level: 3a

Points: 3

Standard Code: 3210.5.1

AAT or UC: AAT

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Identify how a plant or animal adapts to changes in their environments.

Category: Biodiversity and Change

Correct Answer: A,B,A

This is about how living organisms adapt to their environment.

Use this information to answer these questions.

Point to and read each question to the student.

Antarctic seals have fur and a thick layer of blubber. Do these adaptations help seals stay warm in a cold climate?

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B. NO

A male lion has a mane surrounding its face. Does this adaptation help the lion run fast?

A. YES

B. NO

Some types of monkeys make noises to warn each other about approaching predators. Does this adaptation help the monkeys avoid danger?

A. YES

B. NO

Item Information

ETS Item Code: TAS01S0480

Content: Science

Item ID: 1276

Grade: 10

DOK Level: 4

Item Type: MP

Level: 3b

Points: 3

Standard Code: 3210.5.1

AAT or UC: AAT

Standard Text: Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.

AAT or UC Text: Identify how a plant or animal adapts to changes in their environments.

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B. NO

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A. YES

B. NO

Ants leave scent trails to help other ants find food sources. Does this adaptation help ants avoid danger?

A. YES

B. NO

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