

Tennessee Comprehensive Assessment Program

TCAP

Grade 8 Science 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.

Grade 8 Science ALT Items

Item Information

ETS Item Code: TAS01S0389

Item ID: 1237

DOK Level: 2

Level: 1

Standard Code: 0807.5.5

Standard Text: Compare fossils found in sedimentary rock to determine their relative age.

AAT or UC Text: Identify fossils as a way for scientists to know about the types of organisms that lived long ago

Category: Biodiversity and Change

Correct Answer: A

Content: Science

Grade: 08

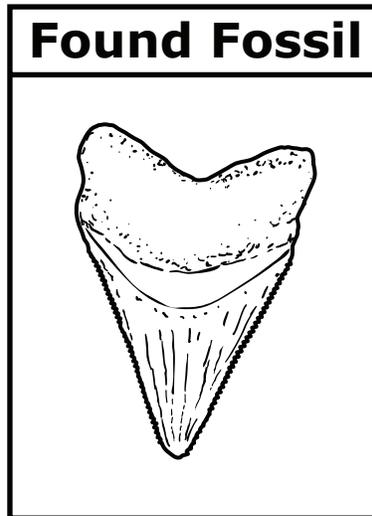
Item Type: SR

Points: 1

AAT or UC: UC

This is about animal fossils.

A scientist found this fossil.



What can the scientist learn from studying this fossil?

- A. information about ancient organisms
- B. how to predict weather patterns

Item Information

ETS Item Code: TAS01S0390

Item ID: 1238

DOK Level: 3

Level: 2

Standard Code: 0807.5.5

Standard Text: Compare fossils found in sedimentary rock to determine their relative age.

AAT or UC Text: Identify older fossils as being found in deeper, older rock layers.

Category: Biodiversity and Change

Correct Answer: C

Content: Science

Grade: 08

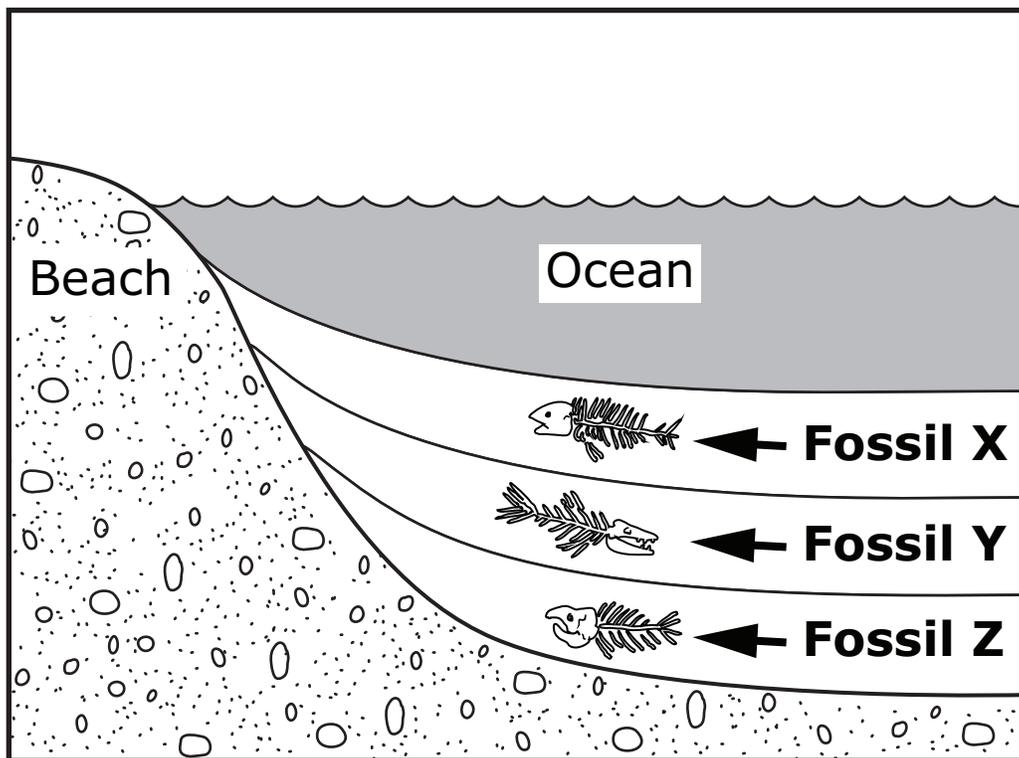
Item Type: SR

Points: 1

AAT or UC: AAT

This is about fossils.

Fossils are remains of ancient organisms. Fossils can include bones, teeth, or eggshells.



Which fossil is the oldest?

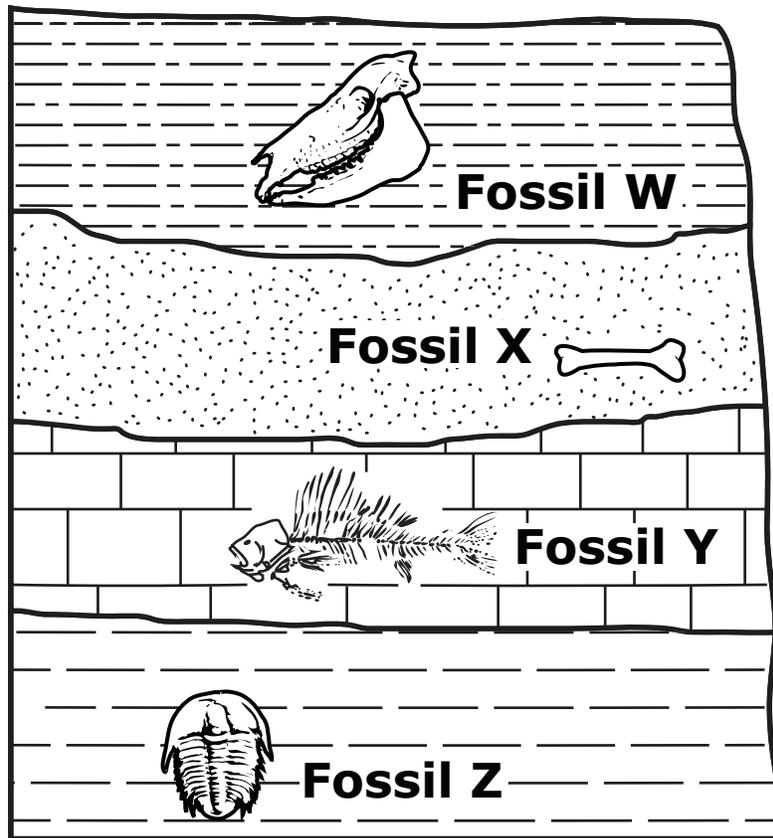
- A. Fossil X
- B. Fossil Y
- C. Fossil Z

Item Information

ETS Item Code: TAS01S0391	Content: Science
Item ID: 1239	Grade: 08
DOK Level: 4	Item Type: MP
Level: 3a	Points: 3
Standard Code: 0807.5.5	AAT or UC: AAT
Standard Text: Compare fossils found in sedimentary rock to determine their relative age.	
AAT or UC Text: Identify older fossils as being found in deeper, older rock layers.	
Category: Biodiversity and Change	
Correct Answer: B,A,A	

This is about fossils.

Fossils are remains of ancient organisms. Fossils can include bones, teeth, or leaves. Fossils can be found by digging beneath the surface of Earth.



Use the information in the diagram to answer the questions.

Is Fossil Y the oldest fossil shown in the diagram?

A. YES

B. NO

Is Fossil Z older than Fossil X?

A. YES

B. NO

Is Fossil Y older than Fossil W?

A. YES

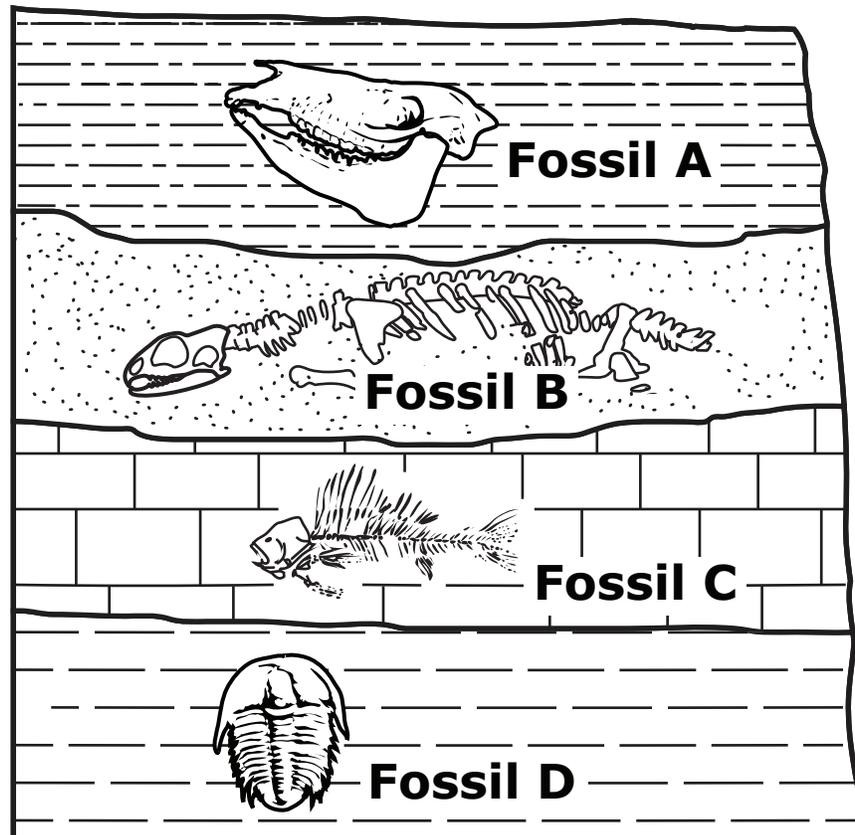
B. NO

Item Information

ETS Item Code: TAS01S0392	Content: Science
Item ID: 1240	Grade: 08
DOK Level: 4	Item Type: MP
Level: 3b	Points: 3
Standard Code: 0807.5.5	AAT or UC: AAT
Standard Text: Compare fossils found in sedimentary rock to determine their relative age.	
AAT or UC Text: Identify older fossils as being found in deeper, older rock layers.	
Category: Biodiversity and Change	
Correct Answer: A,B,A	

This is about fossils.

Fossils are remains of ancient organisms. Fossils can include bones, teeth, or leaves. Fossils can be found by digging beneath the surface of Earth.



Use the information in the diagram to answer the questions.

Is Fossil D the oldest fossil shown in the diagram?

A. YES

B. NO

Is Fossil B older than Fossil D?

A. YES

B. NO

Is Fossil A younger than
Fossil C?

A. YES

B. NO

Grade 8 Science ALT Directions for Test Administration (Teacher Book)

Item Information

ETS Item Code: TAS01S0389

Content: Science

Item ID: 1237

Grade: 08

DOK Level: 2

Item Type: SR

Level: 1

Points: 1

Standard Code: 0807.5.5

AAT or UC: UC

Standard Text: Compare fossils found in sedimentary rock to determine their relative age.

AAT or UC Text: Identify fossils as a way for scientists to know about the types of organisms that lived long ago

Category: Biodiversity and Change

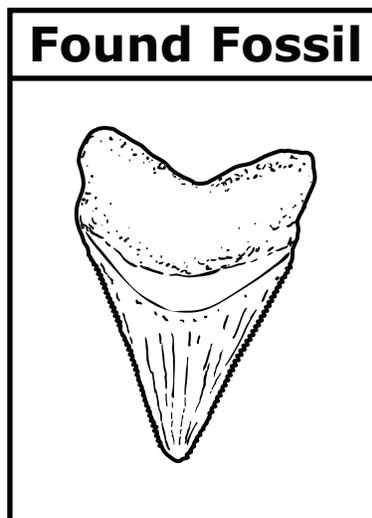
Correct Answer: A

This is about animal fossils.

A scientist found this fossil.

Point to the picture.

[For all students, read "This picture shows a fossil that looks like a shark's tooth."]



What can the scientist learn from studying this fossil?

Point to and read each option to the student.

- A. information about ancient organisms
- B. how to predict weather patterns

Item Information

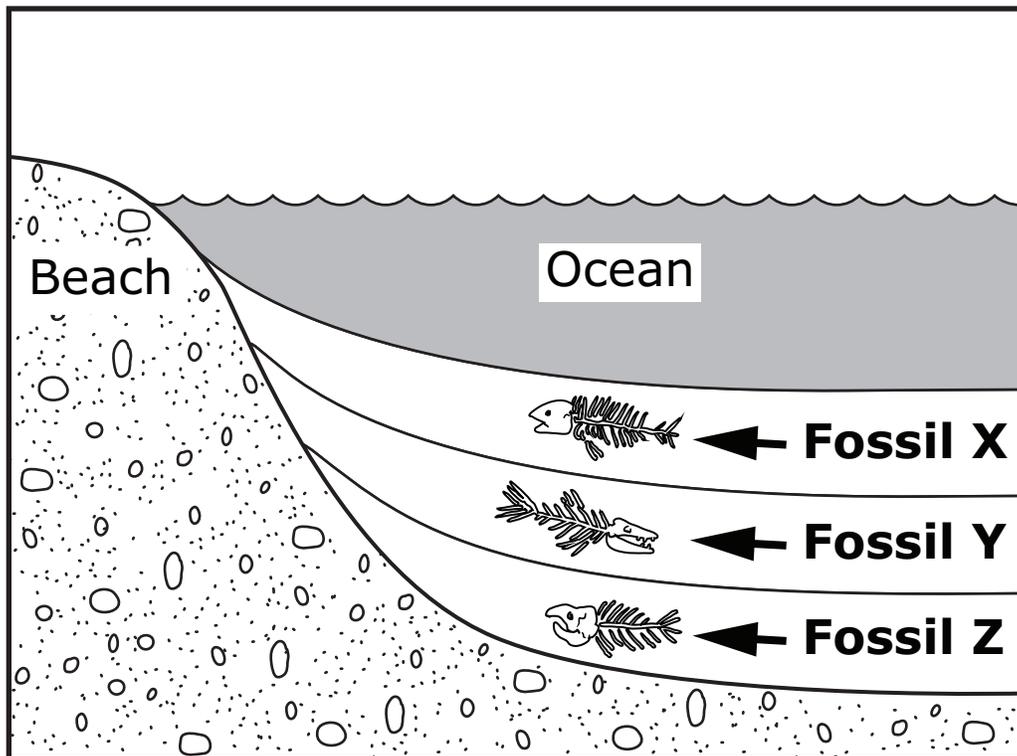
ETS Item Code: TAS01S0390	Content: Science
Item ID: 1238	Grade: 08
DOK Level: 3	Item Type: SR
Level: 2	Points: 1
Standard Code: 0807.5.5	AAT or UC: AAT
Standard Text: Compare fossils found in sedimentary rock to determine their relative age.	
AAT or UC Text: Identify older fossils as being found in deeper, older rock layers.	
Category: Biodiversity and Change	
Correct Answer: C	

This is about fossils.

Fossils are remains of ancient organisms. Fossils can include bones, teeth, or eggshells.

Point to the diagram.

[For all students, read "This diagram shows fossils found under the ocean. This is Fossil X (point to Fossil X). It was found in the sand under the water. This is Fossil Y (point to Fossil Y). It was found in the rock layer below the sand. This is Fossil Z (point to Fossil Z). Fossil Z was found in the rock layer below Fossil Y."]



Which fossil is the oldest?

Point to and read each option to the student.

- A. Fossil X
- B. Fossil Y
- C. Fossil Z

Item Information

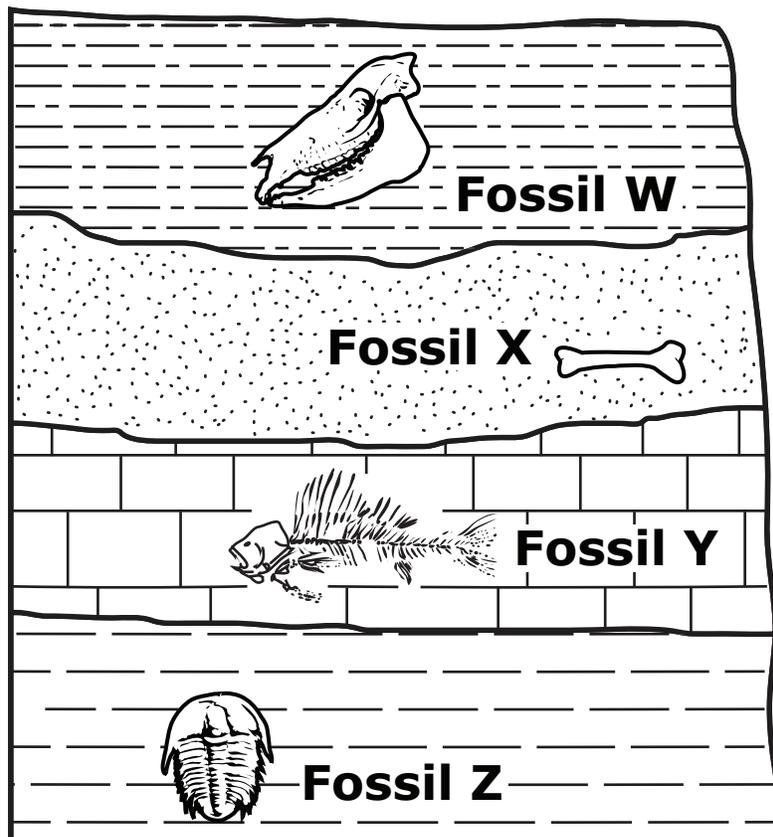
ETS Item Code: TAS01S0391	Content: Science
Item ID: 1239	Grade: 08
DOK Level: 4	Item Type: MP
Level: 3a	Points: 3
Standard Code: 0807.5.5	AAT or UC: AAT
Standard Text: Compare fossils found in sedimentary rock to determine their relative age.	
AAT or UC Text: Identify older fossils as being found in deeper, older rock layers.	
Category: Biodiversity and Change	
Correct Answer: B,A,A	

This is about fossils.

Fossils are remains of ancient organisms. Fossils can include bones, teeth, or leaves. Fossils can be found by digging beneath the surface of Earth.

Point to the fossil diagram.

[For all students, read "This is a fossil diagram. This is Fossil W (point to 'Fossil W'). Fossil W was found close to the surface. Fossil X (point to 'Fossil X') was found after digging several meters below Fossil W. Fossil Y (point to 'Fossil Y') was found after digging even farther down. Fossil Z (point to 'Fossil Z') was found below Fossil Y."]



Use the information in the diagram to answer the questions.

Point to and read each question to the student.

Is Fossil Y the oldest fossil shown in the diagram?

A. YES

B. NO

Is Fossil Z older than Fossil X?

A. YES

B. NO

Is Fossil Y older than Fossil W?

A. YES

B. NO

Item Information

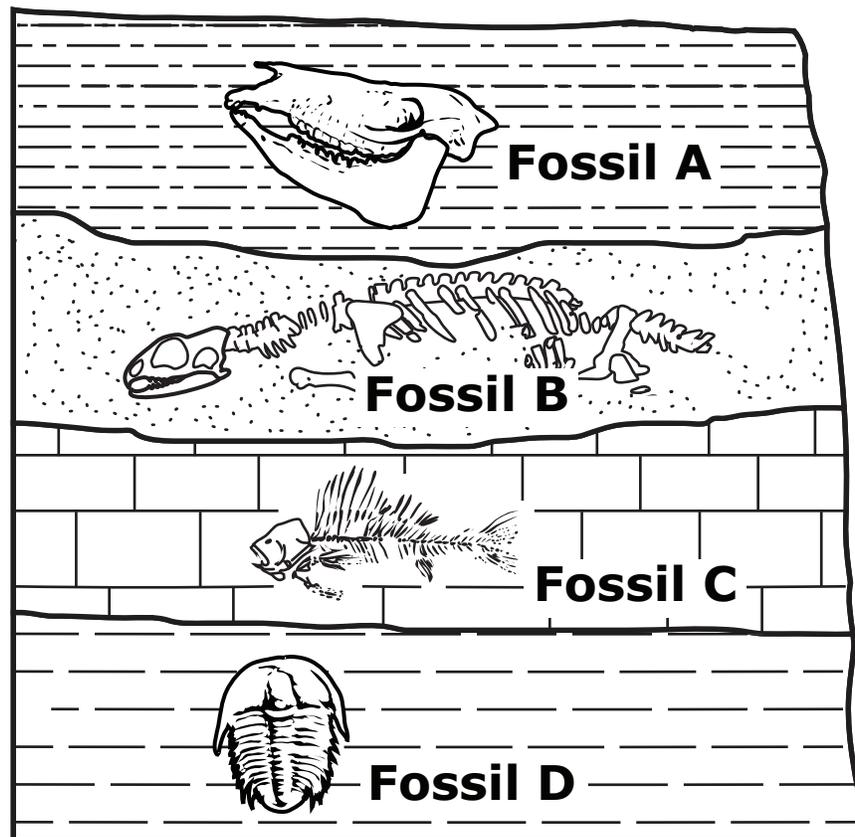
ETS Item Code: TAS01S0392	Content: Science
Item ID: 1240	Grade: 08
DOK Level: 4	Item Type: MP
Level: 3b	Points: 3
Standard Code: 0807.5.5	AAT or UC: AAT
Standard Text: Compare fossils found in sedimentary rock to determine their relative age.	
AAT or UC Text: Identify older fossils as being found in deeper, older rock layers.	
Category: Biodiversity and Change	
Correct Answer: A,B,A	

This is about fossils.

Fossils are remains of ancient organisms. Fossils can include bones, teeth, or leaves. Fossils can be found by digging beneath the surface of Earth.

Point to the fossil diagram.

[For all students, read "This is a fossil diagram. This is Fossil A (point to 'Fossil A'). Fossil A was found close to the surface. Fossil B (point to 'Fossil B') was found after digging several meters below Fossil A. Fossil C (point to 'Fossil C') was found after digging even farther down. Fossil D (point to 'Fossil D') was found below Fossil C."]



Use the information in the diagram to answer the questions.

Point to and read each question to the student.

Is Fossil D the oldest fossil shown in the diagram?

A. YES

B. NO

Is Fossil B older than Fossil D?

A. YES

B. NO

Is Fossil A younger than Fossil C?

A. YES

B. NO

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Grade 8 Science
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Item Release
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