

Tennessee Comprehensive Assessment Program

TCAP

Grade 5 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 5 Science ALT Items

Item Information

ETS Item Code: TAS01S0153

Item ID: 1085

DOK Level: 2

Level: 1

Standard Code: 0507.9.3

Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.

AAT or UC Text: Recognize that water may undergo a change in state from liquid to solid or from solid to liquid.

Category: Matter and Energy

Correct Answer: B

Content: Science

Grade: 05

Item Type: SR

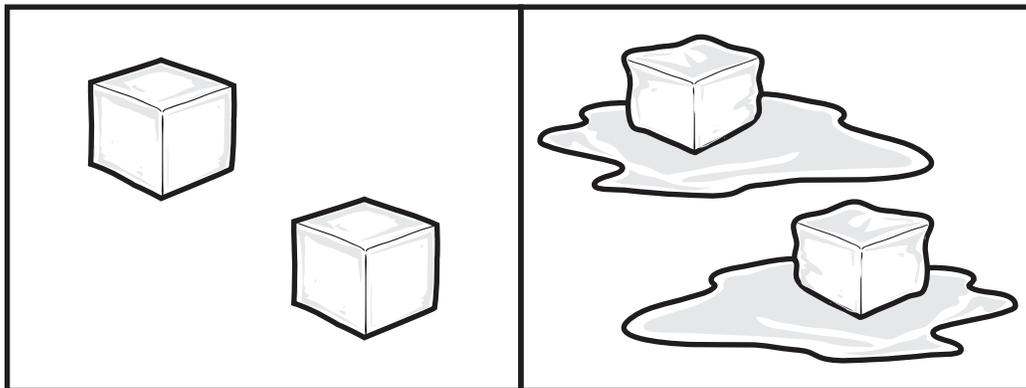
Points: 1

AAT or UC: UC

This is about water.

A student took two ice cubes out of the freezer and placed them on a table. Ice cubes are made out of water.

Before



After

What change happened to the water in the ice cubes?

- A. The water changed from a liquid to a solid.
- B. The water changed from a solid to a liquid.

Item Information

ETS Item Code: TAS01S0154	Content: Science
Item ID: 1086	Grade: 05
DOK Level: 3	Item Type: SR
Level: 2	Points: 1
Standard Code: 0507.9.3	AAT or UC: AAT
Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.	
AAT or UC Text: Identify factors that influence the rate at which water will freeze, melt, or evaporate.	
Category: Matter and Energy	
Correct Answer: C	

This is about water changing phases.

Evaporation happens when liquid water turns into water vapor. Water vapor is water that has become a gas.

Which of these will cause a bowl of liquid water to evaporate the fastest?

- A. putting the bowl of liquid water in the freezer
- B. putting the bowl of liquid water in a dark room
- C. putting the bowl of liquid water in a hot pan

Item Information

ETS Item Code: TAS01S0155	Content: Science
Item ID: 1087	Grade: 05
DOK Level: 4	Item Type: MP
Level: 3a	Points: 3
Standard Code: 0507.9.3	AAT or UC: AAT
Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.	
AAT or UC Text: Identify factors that influence the rate at which water will freeze, melt, or evaporate.	
Category: Matter and Energy	
Correct Answer: A,B,B	

This is about water changing phases.

Water can be a solid, a liquid, or a gas.

Ice and snow are examples of solid water. Water that you drink or use for washing is liquid water. Water vapor is water that has become a gas.

Will ice melt faster if it is left outside on a sunny day rather than on a cold day?

- A. YES B. NO

Will a large amount of liquid water freeze faster than a small amount of liquid water?

- A. YES B. NO

Will liquid water evaporate faster on a cloudy day rather than on a sunny day?

- A. YES B. NO

Item Information

ETS Item Code: TAS01S0156

Content: Science

Item ID: 1088

Grade: 05

DOK Level: 4

Item Type: MP

Level: 3b

Points: 3

Standard Code: 0507.9.3

AAT or UC: AAT

Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.

AAT or UC Text: Identify factors that influence the rate at which water will freeze, melt, or evaporate.

Category: Matter and Energy

Correct Answer: A,B,A

This is about water changing phases.

Water can be a solid, a liquid, or a gas.

Ice and snow are examples of solid water. Water that you drink or use for washing is liquid water. Water vapor is water that has become a gas.

Will liquid water evaporate faster on a hot day rather than on a cloudy day?

A. YES

B. NO

Will a large ice cube melt faster than a small ice cube?

A. YES

B. NO

Will a large bowl of liquid water take more time to freeze than a small cup of liquid water?

A. YES

B. NO

Grade 5 Science ALT Directions for Test Administration (Teacher Book)

Item Information

ETS Item Code: TAS01S0153

Content: Science

Item ID: 1085

Grade: 05

DOK Level: 2

Item Type: SR

Level: 1

Points: 1

Standard Code: 0507.9.3

AAT or UC: UC

Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.

AAT or UC Text: Recognize that water may undergo a change in state from liquid to solid or from solid to liquid.

Category: Matter and Energy

Correct Answer: B

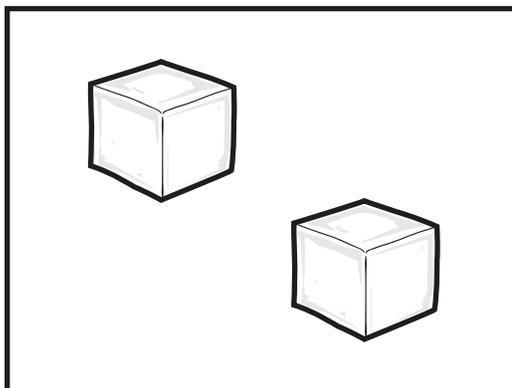
This is about water.

A student took two ice cubes out of the freezer and placed them on a table. Ice cubes are made out of water.

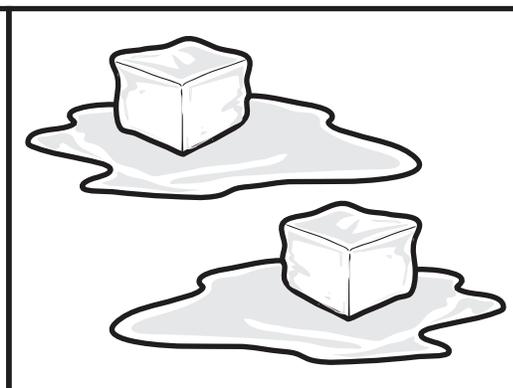
Point to the pictures of the ice cubes.

[For all students, read "This says 'Before' (point to the word 'Before'). The 'Before' picture shows that the ice cubes were frozen when the student placed them on the table. This says 'After' (point to the word 'After'). The 'After' picture shows the ice cubes after being left on the table for a few minutes. Some of the ice had melted."]

Before



After



What change happened to the water in the ice cubes?

Point to and read each option to the student.

- A. The water changed from a liquid to a solid.
- B. The water changed from a solid to a liquid.

Item Information

ETS Item Code: TAS01S0154	Content: Science
Item ID: 1086	Grade: 05
DOK Level: 3	Item Type: SR
Level: 2	Points: 1
Standard Code: 0507.9.3	AAT or UC: AAT
Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.	
AAT or UC Text: Identify factors that influence the rate at which water will freeze, melt, or evaporate.	
Category: Matter and Energy	
Correct Answer: C	

This is about water changing phases.

Evaporation happens when liquid water turns into water vapor. Water vapor is water that has become a gas.

Which of these will cause a bowl of liquid water to evaporate the fastest?

Point to and read each option to the student.

- A. putting the bowl of liquid water in the freezer
- B. putting the bowl of liquid water in a dark room
- C. putting the bowl of liquid water in a hot pan

Item Information

ETS Item Code: TAS01S0155	Content: Science
Item ID: 1087	Grade: 05
DOK Level: 4	Item Type: MP
Level: 3a	Points: 3
Standard Code: 0507.9.3	AAT or UC: AAT
Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.	
AAT or UC Text: Identify factors that influence the rate at which water will freeze, melt, or evaporate.	
Category: Matter and Energy	
Correct Answer: A,B,B	

This is about water changing phases.

Water can be a solid, a liquid, or a gas.

Ice and snow are examples of solid water. Water that you drink or use for washing is liquid water. Water vapor is water that has become a gas.

Point to and read each question to the student.

Will ice melt faster if it is left outside on a sunny day rather than on a cold day?

A. YES

B. NO

Will a large amount of liquid water freeze faster than a small amount of liquid water?

A. YES

B. NO

Will liquid water evaporate faster on a cloudy day rather than on a sunny day?

A. YES

B. NO

Item Information

ETS Item Code: TAS01S0156	Content: Science
Item ID: 1088	Grade: 05
DOK Level: 4	Item Type: MP
Level: 3b	Points: 3
Standard Code: 0507.9.3	AAT or UC: AAT
Standard Text: Describe factors that influence the rate at which different types of material freeze, melt, or evaporate.	
AAT or UC Text: Identify factors that influence the rate at which water will freeze, melt, or evaporate.	
Category: Matter and Energy	
Correct Answer: A,B,A	

This is about water changing phases.

Water can be a solid, a liquid, or a gas.

Ice and snow are examples of solid water. Water that you drink or use for washing is liquid water. Water vapor is water that has become a gas.

Point to and read each question to the student.

Will liquid water evaporate faster on a hot day rather than on a cloudy day?

- A. YES B. NO

Will a large ice cube melt faster than a small ice cube?

- A. YES B. NO

Will a large bowl of liquid water take more time to freeze than a small cup of liquid water?

- A. YES B. NO

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