



# SCIENCE Grade 8

2015 Released Test Questions

## TEST ADMINISTRATOR INSTRUCTIONS

### Question 1

Grade	8	Subject	Science	Question	1
<b>Reporting Category 3</b>		Earth and Space: The student will demonstrate an understanding of components, cycles, patterns, and natural events of Earth and space systems.			
<b>Knowledge and Skill Statement 8.10</b>		The student knows that climatic interactions exist among Earth, ocean, and weather systems.			
<b>Essence Statement</b>		Knows that interactions exist among Earth, ocean, and weather systems.			
<b>Prerequisite Skill</b>		identify characteristics of the seasons of the year and day and night (1)			

### Question 2

Grade	8	Subject	Science	Question	2
<b>Reporting Category 3</b>		Earth and Space: The student will demonstrate an understanding of components, cycles, patterns, and natural events of Earth and space systems.			
<b>Knowledge and Skill Statement 8.10</b>		The student knows that climatic interactions exist among Earth, ocean, and weather systems.			
<b>Essence Statement</b>		Knows that interactions exist among Earth, ocean, and weather systems.			
<b>Prerequisite Skill</b>		identify the importance of weather and seasonal information to make choices in clothing, activities, and transportation (2)			

### Question 3

Grade	8	Subject	Science	Question	3
<b>Reporting Category 3</b>		Earth and Space: The student will demonstrate an understanding of components, cycles, patterns, and natural events of Earth and space systems.			
<b>Knowledge and Skill Statement 8.10</b>		The student knows that climatic interactions exist among Earth, ocean, and weather systems.			
<b>Essence Statement</b>		Knows that interactions exist among Earth, ocean, and weather systems.			
<b>Prerequisite Skill</b>		collect and analyze data to identify sequences and predict patterns of change in shadows, tides, seasons, and the observable appearance of the Moon over time (4)			


## Presentation Instructions for Question 1

Present Stimulus 1.

Direct the student to Stimulus 1. Communicate: **Here are two of the four seasons of the year.**

Direct the student to "spring." Communicate: **This is one day in the spring season. The weather is nice for outside activities.**

Direct the student to "winter." Communicate: **This is one day in the winter season. The weather is cold and uncomfortable for outside activities.**

Communicate: **Find the girl enjoying outside activities in the spring season.**

### Stimulus 1



## Presentation Instructions for Question 2

Present Stimulus 2a and 2b.

Direct the student to Stimulus 2a. Communicate: **The girl is enjoying the spring season.**

Direct the student to each answer choice in Stimulus 2b. Communicate:

### Presentation Instructions for Question 3

Present Stimulus 3a and 3b.

Direct the student to the graph in Stimulus 3a. Communicate: **The graph shows average monthly temperatures for a city during three months.**

Direct the student to the x-axis. Communicate: **Here are three months of the year: April, June, October.**

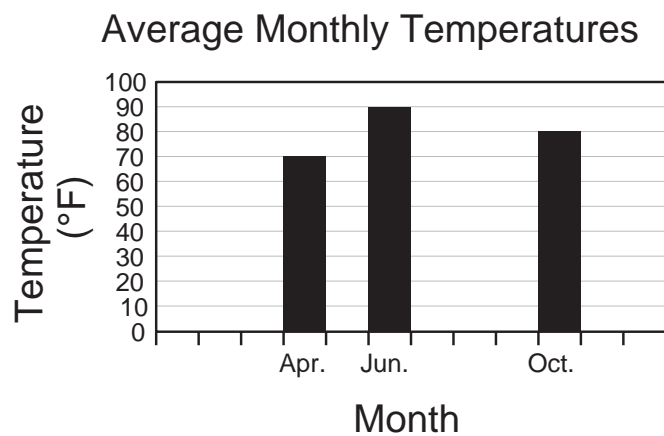
Direct the student to the y-axis. Communicate: **Here are the temperatures: zero to 100 degrees Fahrenheit.**

Communicate: **Pecans are harvested in this city when the average temperatures are between 75 and 85 degrees.**

Direct the student to each answer choice in Stimulus 3b. Communicate the text in each answer choice.

Communicate: **Find the season when pecans should be harvested.**

#### Stimulus 3a



#### Stimulus 3b

Spring—April

Summer—June

Fall—October

## Scoring Instructions

Student Action	Test Administrator Action
If the student finds “Fall—October” in Stimulus 3b,	mark <b>A</b> for question 3 and move to question 4.
If the student does not find “Fall—October” in Stimulus 3b,	<p>provide one of these allowable teacher assists to the student:</p> <ul style="list-style-type: none"> <li>• Have the student identify the temperature for each bar on the graph. <b>OR</b></li> <li>• Draw a line from the top of each bar to the corresponding temperature. <b>OR</b></li> <li>• Highlight the temperature on the graph in Stimulus 3a within the range 75° to 85° for pecan harvesting.</li> </ul> <p>Replicate the initial presentation instructions.</p>
After the selected teacher assistance, if the student finds “Fall—October” in Stimulus 3b,	mark <b>B</b> for question 3 and move to question 4.
After the selected teacher assistance, if the student does not find “Fall—October” in Stimulus 3b,	mark <b>C</b> for question 3 and move to question 4.

## Presentation Instructions for Question 4

Present Stimulus 4a and 4b. Communicate: **A student moves to a new city. The student collects information about the average monthly temperatures for the city.**

Direct the student to Stimulus 4a. Communicate the data.

Direct the student to each answer choice in Stimulus 4b. Communicate the text in each answer choice.

Communicate: