



CALIFORNIA ASSESSMENT OF STUDENT PERFORMANCE AND PROGRESS

California Alternate Assessment for Science Practice Items Scoring Guide *for* Grade Five



Physical Sciences— Light



California Assessment of
Student Performance and Progress

California Alternate Assessment for Science Practice Test Scoring Guide

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Assessed Standards

The CAA for Science measures the Science Core Content Connectors and is administered to students with the most significant cognitive disabilities in grades five and eight and once in high school (i.e., grade ten, eleven, or twelve). The Science Core Content Connectors are derived from the California Next Generation Science Standards (CA NGSS) performance expectations (PEs). They provide alternate standards to guide science instruction and assessment for students with the most significant cognitive disabilities. The PEs that the assessed Science Connectors are derived from can be found in the CAA for Science blueprint document at <https://www.cde.ca.gov/ta/tg/ca/documents/caascienceblueprint.docx>.

These Science Connectors are further broken down into assessment targets. The assessment targets are comprised of the focal knowledge, skills, and abilities (FKSAs), which describe what students should know and be able to do in science; and at the simplest level the essential understandings (EU) are the basic scientific concepts that students should understand. This is presented as a continuum in the figure below.



In this practice test the following connector will be assessed:

4-PS4-2 Waves and Their Applications in Technologies for Information Transfer

Recognize that an object can be seen when light reflected from its surface enters the eye.

Table 1. 4-PS4-2, FKSA and EU

Assessment Target	Definition	Students Will Be Able To...
FKSA	<ul style="list-style-type: none"> Ability to recognize that an object can be seen when light reflected from its surface enters the eye. (FKSA 1) 	<ul style="list-style-type: none"> Identify the correct path of light that enables a person to see Identify that light must enter the eye in order to see Identify that light must reflect off an object in order for the object to be seen Identify that light must reflect off an object and enter a person's eye for the person to see the object Complete a diagram to create the correct path light must travel in order for an object to be seen
EU	<ul style="list-style-type: none"> Compare the quality of sight before and after dimming a light source. 	<ul style="list-style-type: none"> Identify light as necessary to see Identify darkness as a condition that impairs sight Identify the resulting views when the brightness of light changes

Introduction to Practice Test Scoring Guide

The California Alternate Assessment for Science Practice Test Scoring Guide provides details about the items, assessment targets, correct responses, and related scoring considerations for the California Alternate Assessment for Science Practice Test items. The items selected for the Practice Test are designed to reflect the student experience while being administered the CAA for Science assessment. This includes

- a range of student response types.
- a breadth of difficulty levels across the items, ranging from easier to more difficult items.

It is important to note that not all student response types are fully represented on every practice test, but a distribution can be observed across all the practice tests. The items presented are reflective of refinements and adjustments to language based on pilot test results and expert recommendations from both content and accessibility perspectives.

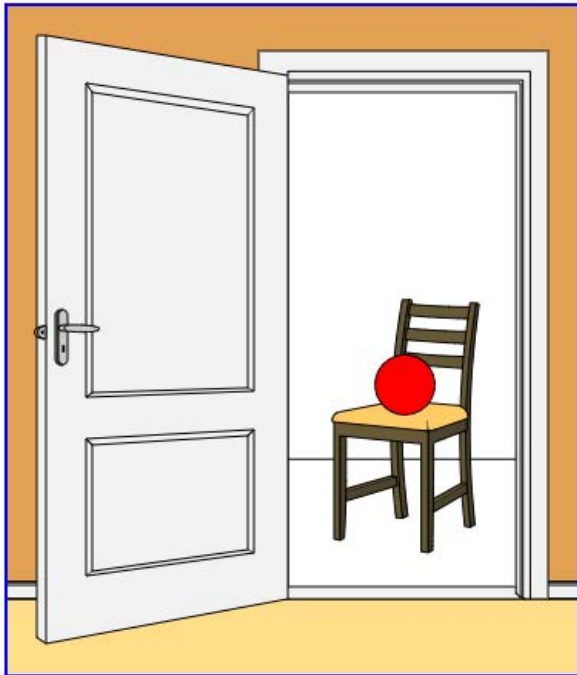
This guide presents the following information for each item:

- Assessment Target: FKSA or EU being assessed
- Static presentation of the item: static presentation of item from test administration system
- Static presentation of student response field(s): static presentation of response field from test administration system
- Answer key or exemplar: expected student response or example response from score point value
- Rubric and applicable score points for items where appropriate: score point representations for student responses

All items in a practice test are designed to be administered in conjunction with their corresponding *Directions for Administration (DFA)*. In addition, each practice test contains an Orienting Activity that is nongraded before each set of items. Please be sure to complete the Orienting Activity for each connector with the student before moving on to the items. For more information regarding Orienting Activities, please refer to the [Practice Test Directions for Administration—Grade 5 Physical Sciences](#).

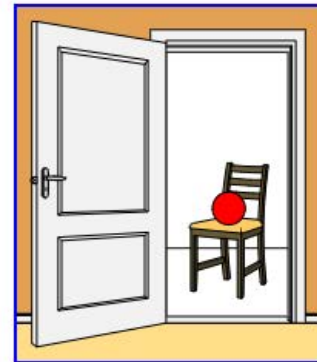
Grade Five Practice Test Items

Item	Assessment Target
2	EU: Compare the quality of sight before and after dimming a light source.

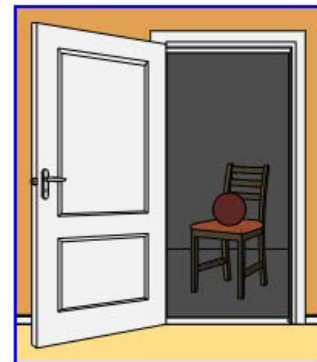


What would you see if the lights were off?

(A)



(B)

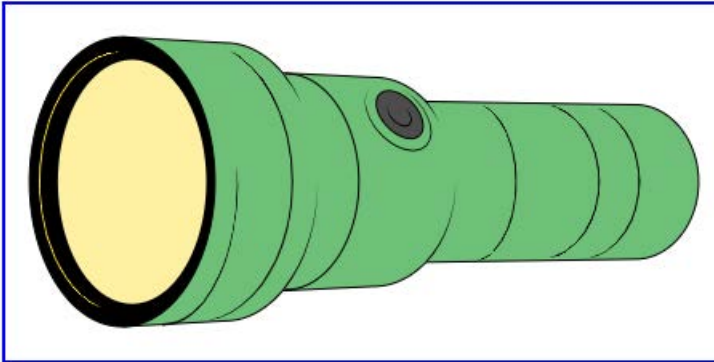


Key: B (1 point)

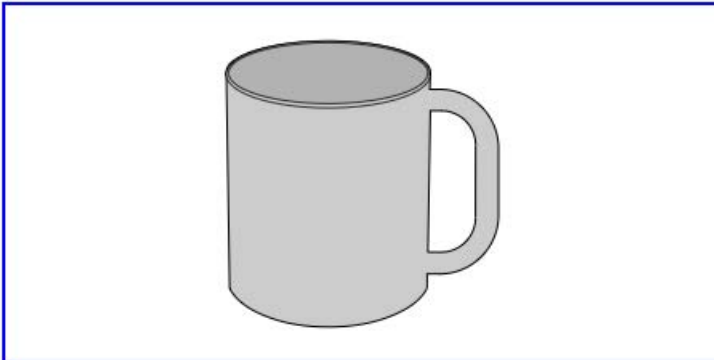
Item	Assessment Target
3	EU: Compare the quality of sight before and after dimming a light source.

What is needed to see in the dark?

Ⓐ



Ⓑ

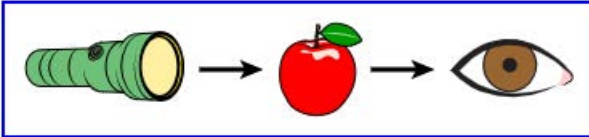
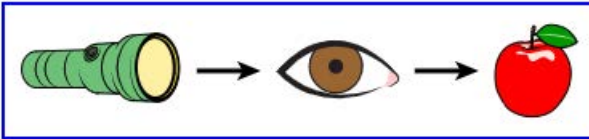
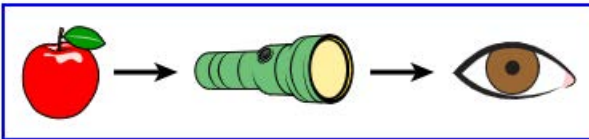


Key: A (1 point)

Grade Five Practice Test Items

Item	Assessment Target
4	FKSA 1: Ability to recognize that an object can be seen when light reflected from its surface enters the eye.

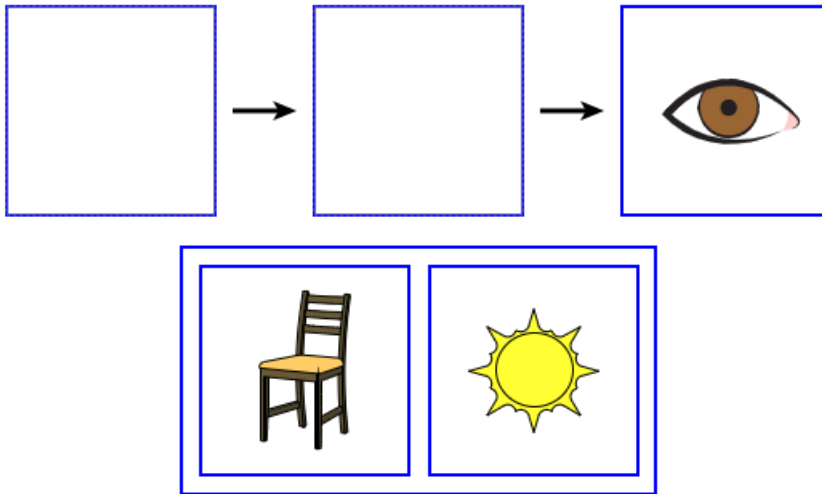
How does light travel when the eye sees the apple?

- (A) 
- (B) 
- (C) 


Key: A (1 point)

Item	Assessment Target
5	FKSA 1: Ability to recognize that an object can be seen when light reflected from its surface enters the eye.

How does the light travel when someone looks at a chair?



Key:



(1 point)

The key diagram shows three boxes in a row, connected by right-pointing arrows. The first box contains a sun, the second box contains a chair, and the third box contains an eye.


Grade Five Practice Test Items


Item	Assessment Target
6	FKSA 1: Ability to recognize that an object can be seen when light reflected from its surface enters the eye.


Show me how light enters the eye for a person to see a flower.

→


→









Key:



→



→



Rubric:

(2 points) The student matches all three correct responses.

(1 point) The student matches one or two correct responses, but not all three correct responses.