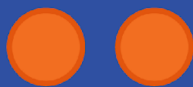




ACT  
PREP

SCIENCE



# Power UP: Science ACT Prep, Week 4

TestNav Tools



**K20**  
L•E•A•R•N



# Essential Question

How can I increase my ACT score?



# Learning Objectives

- Explore the available tools for use when taking the computer-based science ACT
- Reflect on the usefulness of each tool to the timely completion of the science ACT
- Evaluate when it is best to annotate on the screen and when to make notes on scratch paper

# TestNav

Websites and apps use icons and design patterns to make it simple for people who are using the app for the first time.

- Look at the icons on TestNav.
- Hover over buttons to see if additional text displays.

Do the icons and text provide clues about what the buttons can do?

# TestNav

- View bookmarks
- View unanswered questions

Return to the pointer cursor.

Mark out an answer.



THE ACT / SCIENCE / 3 OF 40 / 0%

Add a bookmark to the current question.

In a particular playa (relatively flat, dry desert basin) evidence shows that some large rocks have moved along the surface, leaving shallow trails in the clay sediment, some up to several hundred meters long. Three scientists provided explanations for how these rocks moved.

*Scientist 1*

In the spring, snowmelt from surrounding mountains flows downhill and collects in the playa. At night, cold temperatures cause this water to freeze around the rocks. When temperatures rise again, the ice begins to melt, leaving a layer of mud on the surface and ice "rafts" around the rocks. The buoyancy of the ice rafts floats the rocks on top of the mud such that even light winds can then push the rocks along the surface. Evidence of this lifting is seen in that the trails left by rocks are both shallow and only about 2/3 as wide as the rocks themselves. Due to the combination of ice, mud, and light winds, the rocks are able to move several hundred meters in a few days.

*Scientist 2*

Suppose that no seismic activity was recorded in the playa where the rocks are found. This finding would *weaken* which of the scientists' explanations?

- A. Scientist 1 only
- B. Scientist 3 only
- C. Scientist 1 and Scientist 2 only
- D. Scientist 2 and Scientist 3 only

Highlight text

- More tools:
- magnifier
  - line reader mask
  - answer masking

# Scratch Paper

- Turn over your Science Test Tool Hunt
- Find question 7 of the Science test in TestNav
- You do not need to read the passage, but need to know:

A rock trail is about  $\frac{2}{3}$  the size of an actual rock.

- The question asks:

If the trail is 33cm wide about how wide was the rock?

# Rocks and Trails

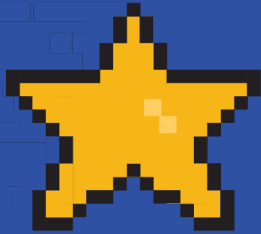
$$\frac{2}{3}x = 33$$

$$2x = 99$$

$$x = 49.5$$

Answer: C. 50 cm





# You Powered Up!



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