

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR SCIENCE, GRADE 8  
SHORT FORM A**

*(Test items developed for skills measured in STANFORD10)*

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*Skills*

- |  |                                |
|--|--------------------------------|
| 1.0 Life Science                         | 5.0 Related Processes          |
| 1.1 Characteristics of Organisms         | 5.1 Analyze Evidence           |
| 2.0 Physical Science                     | 5.2 Recognize/Analyze Patterns |
| 2.1 Properties of Objects/<br>Materials  | 5.3 Form/Function              |
| 3.0 Earth Science                        | 6.0 Thinking Skills            |
| 3.1 Understanding Properties/<br>Sources | 6.1 Life Science               |
| 4.0 Scientific Investigation             | 6.2 Physical Science           |
| 4.1 Processes                            | 6.3 Earth Science              |
|  | 6.4 Scientific Investigation   |
|  | 6.5 Analyze Evidence           |
|  | 6.6 Recognize/Analyze Patterns |
|  | 6.7 Form/Function              |

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Number of questions: 30  
Number of pages: 8  
Approximate testing time: 19 minutes

**(c) EPES TESTING, INC.**


(OVER)

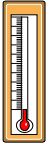
# STANFORD10 PRACTICE TEST IN SCIENCE - GRADE 8 FORM A


**DIRECTIONS:** Read each question and choose the correct answer.


**SAMPLE**

Which instrument would be *most* useful to a meteorologist?

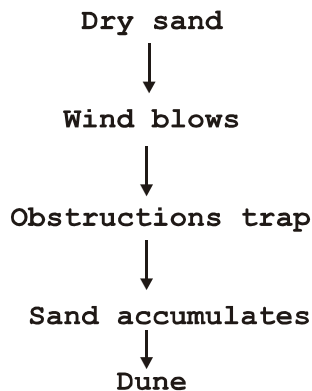
A. 

B. 

C. 

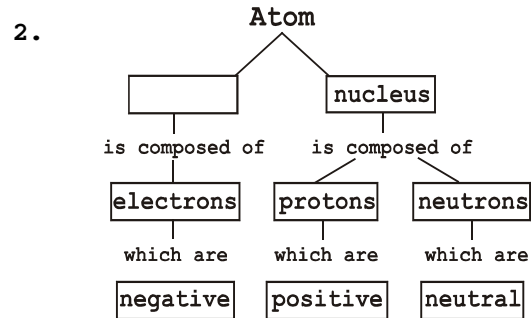
D. 

1. **Dune Formation**



What can be done to prevent the migration of beach dunes?





- A. Plant the dune with grasses
- B. Build the dune away from the wind
- C. Change the slope of the dune
- D. Remove the obstacles from the beach



Which term completes the concept map?

- A. plasma
- B. molecule
- C. electron cloud
- D. isotope

3. Which plant has the *best* adaptations for a cold climate?

- A. 
- B. 
- C. 
- D. 

4. When determining the rate of time it takes for objects to freeze, which should *not* remain the same in each experiment?

- A. Size of container
- B. Period of time
- C. Amount of substances to be frozen
- D. Type of container