

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR SCIENCE, GRADE 8

(Test items developed for skills measured in STANFORD10)

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/
Materials | 5.3 Form/Function |
| 3.0 Earth Science | 6.0 Thinking Skills |
| 3.1 Understanding Properties/
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: 40

Number of pages: 9

Approximate testing time: 25 minutes

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(OVER)

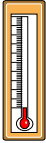
STANFORD10 PRACTICE TEST IN SCIENCE - GRADE 8 FORM A


DIRECTIONS: Read each question and choose the correct answer.


SAMPLE

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

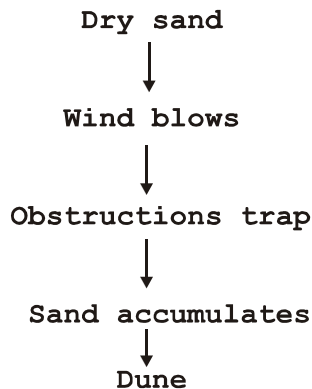
A. 

B. 

C. 

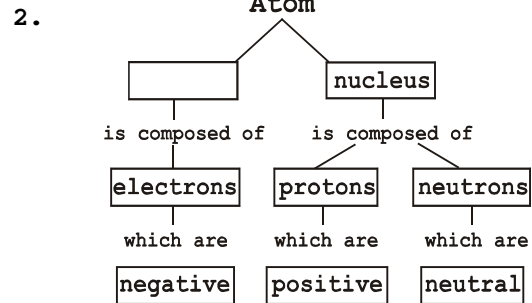
D. 

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