

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR SCIENCE, GRADE 6**

*(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: 40

Number of pages: 8

Approximate testing time: 25 minutes

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(OVER)

# STANFORD10 PRACTICE TEST IN SCIENCE - GRADE 6 FORM A

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

## SAMPLE

Which is not a part of cell theory?

- A. Cells are too small to see without a microscope.
- B. Cells make up all living things.
- C. New cells are produced by existing cells.
- D. All life activities take place in cells.

1. When the temperature is 28 degrees Celsius, you might expect it to be--

- A. snowing
- B. sleet
- C. cold with freezing rain
- D. raining

2. In which object are the molecules most densely packed?



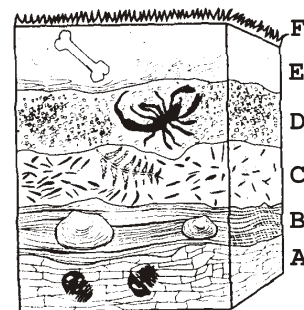
3. All plants--

- A. are vascular
- B. are nonvascular
- C. need nutrients
- D. contain chlorophyll

4. Which weather symbol would most help you prepare for outdoor activities?



5. Which layer has rocks that are younger than layer E but older than layer C?



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

6. What energy changes occur when a soccer player kicks a ball?

- A. Chemical to electric
- B. Chemical to heat energy
- C. Chemical to mechanical
- D. Chemical to kinetic