

**SKILLS LIST and SAMPLE TEST ITEMS**

**FOR**

**PRACTICE TEST FOR SCIENCE, GRADE 7**

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

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**Skills**

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

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Number of questions: 40  
Number of pages: 10  
Approximate testing time: 25 minutes

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**(OVER)**

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STANFORD10 PRACTICE TEST IN SCIENCE - GRADE 7  
FORM A

SAMPLE A

Which comes first in the life cycle of the fly?

- A. Egg
- B. Adult
- C. Larva
- D. Pupa

1. Earth's age is estimated at 4.6 billion years old. Life has been present for about what percent of Earth's existence?
  - A. 76%
  - B. 65%
  - C. 50%
  - D. 45%
2. The source of most of the energy for life is--
  - A. the sun
  - B. oxygen
  - C. water
  - D. carbon dioxide
3. Which instrument is used for measuring volume?
  - A. Metric ruler
  - B. Graduated cylinder
  - C. Balance
  - D. Celsius scale
4. The most accurate age of a fossil can be found by using--
  - A. natural selection
  - B. radioactive elements
  - C. relative dating
  - D. camouflage

5. Which of these requires the greatest amount of effort to lift the books?

