

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR SCIENCE, GRADE 7

(Test items developed for skills measured in CAT-5)*

Skills

1.0 Science

- 1.1 Application of the Facts/Principles/
Concepts Used in the Fields of
Plants, Biology and Ecology
- 1.2 Application of the Facts/Principles/
Concepts Used in the Fields of
Physics and Chemistry

- 1.3 Application of the Facts/
Principles/Concepts Used in the
Fields of Earth and Space Science
 - 1.4 Demonstrating Facility in the
Process Skills Critical to
Scientific Study and
Investigation
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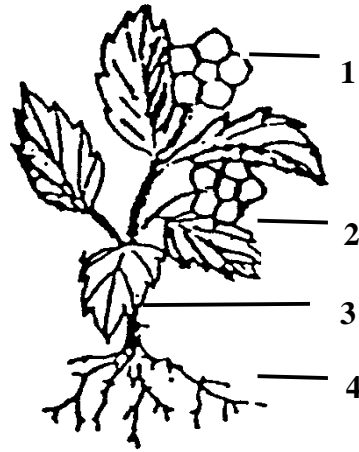
(OVER)

CAT-5 SCIENCE PRACTICE TEST - GRADE 7

1. Which food chain is shown in the correct order?

- A. grass-mouse-snake-owl
 - B. mouse-snake-owl-grass
 - C. snake-mouse-grass-owl
 - D. grass-snake-owl-mouse
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2. Which part of this plant produces seeds?

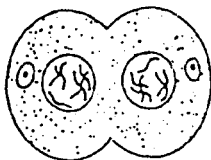


- A. Part 1
 - B. Part 2
 - C. Part 3
 - D. Part 4
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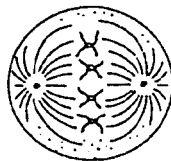
3. Why are cacti able to thrive in a desert climate where other plants cannot survive?

- A. Cacti do not require sunlight.
 - B. Cacti can survive with very little water.
 - C. Cacti can survive in very wet climates.
 - D. Cacti cannot survive in sandy soil.
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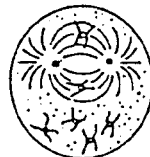
4. The pictures above show the division of a plant cell. What would be the correct order in which they occur?



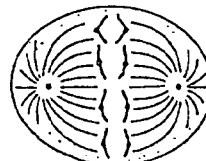
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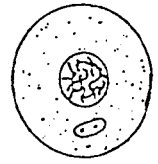
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- A. 4, 3, 5, 1, 2
- B. 5, 3, 2, 4, 1
- C. 1, 2, 5, 4, 3
- D. 2, 3, 5, 4, 1