

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR SCIENCE, GRADE 8**

*(Test items developed for skills measured in LA03)*

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*Skills*

- |  |                                 |
|--|---------------------------------|
| 1.0 Science Inquiry                      | 4.0 Earth and Space Science     |
| 1.1 Problem Solving                      | 4.1 Structure of Earth          |
| 1.2 Understanding Scientific Inquiry     | 4.2 Earth History               |
| 2.0 Physical Science                     | 4.3 Earth in the Solar System   |
| 2.1 Properties of Matter                 | 5.0 Science and the Environment |
| 2.2 Motions and Forces                   | 5.1 Environmental Awareness     |
| 2.3 Energy                               |                                 |
| 3.0 Life Science                         |                                 |
| 3.1 Structure/Function of Living Systems |                                 |
| 3.2 Reproduction and Heredity            |                                 |
| 3.3 Population and Ecosystems            |                                 |
| 3.4 Adaptations of Organisms             |                                 |

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Number of questions: 40

Number of pages: 9

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(OVER)

LA03 PRACTICE TEST IN SCIENCE - GRADE 8  
FORM A

SECTION 1:

Read each question carefully and choose the correct answer.

1. As people get older, aging intensifies. The effects of aging can be slowed down. Which of the following could affect the aging process?
  - A. Adults share their knowledge with younger people.
  - B. Hair may start to come out or change colors.
  - C. Adults follow sensible diets and good exercise plans.
  - D. Heart and lung action is less efficient.
  
2. A camper starts a fire in the forest. What is the result of the fire?
  - A. Animals and vegetation are no longer able to survive on this land.
  - B. The camper does not care about the forest.
  - C. The vegetation is used for fuel.
  - D. The forest fire produces more work for the animals and firefighters.
  
3. A lynx spider is hiding in the petals of a flower. An unsuspecting bee lands on the flower for his afternoon sip of nectar. The spider grabs the bee and injects venom into the bee's helpless body. How would the spider be classified?
  - A. herbivores
  - B. decomposer
  - C. omnivore
  - D. carnivore
  
4. Two students are performing an experiment using a candle, matches, and a rope. The teacher instructs the students to follow the rules pertaining to flames. What is one of the rules the students should follow?
  - A. make sure the area is well ventilated
  - B. wash hands before conducting experiment
  - C. tie back loose clothing and hair
  - D. use copper tongs to pick up the beakers
  
5. A teacher assigned her class an experiment to compare the effects of two different disinfectants. A store wants to know which one they should advertise as the best cleaning product. Choose the question the students would use as the problem of the experiment.
  - A. Which disinfectant will cost the most?
  - B. How well do disinfectants control the growth of bacteria?
  - C. Does the disinfectant let off an odor?
  - D. Why does it matter which disinfectant a consumer buys?
  
6. A farmer cut and cleared trees on his land. He even cut all the small plants. What will happen to this section of land?
  - A. Small animals will eat other plants destroying the soil protection.
  - B. It will look ugly to people passing by this section of land.
  - C. The land will reproduce trees the next year.
  - D. The soil has sand and rocks showing.