

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR SCIENCE, GRADE 8**

*(Test items developed for skills measured in ITBS03)*

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*Skills*

- |                         |                             |
|-------------------------|-----------------------------|
| 1.0 Life Science        | 3.0 Physical Science        |
| 1.1 Living Things       | 3.1 Motion/Forces/Mechanics |
| 1.2 Life Cycles         | 3.2 Energy                  |
| 1.3 Environment         | 3.3 Matter                  |
| 2.0 Earth/Space Science | 4.0 Scientific Inquiry      |
| 2.1 Structure           | 4.1 Skills/Processes        |
| 2.2 Changes             | 4.2 Analysis                |
| 2.3 Universe            | 5.0 Thinking Skills         |
|                         | 5.1 Science                 |
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Number of questions: 43

Number of pages: 11

Approximate testing time: 30 minutes

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(OVER)

**ITBS03 PRACTICE TEST IN SCIENCE - GRADE 8  
FORM A**

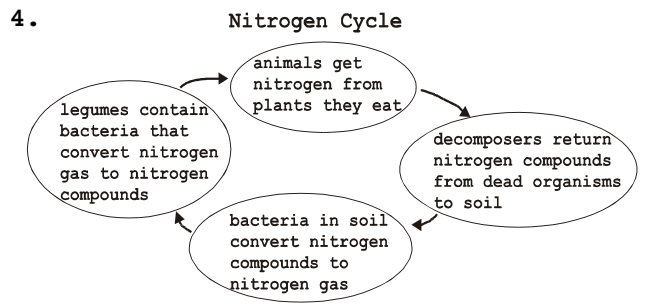
**DIRECTIONS:** Read each question and choose the correct answer.

**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. Why does the sun rise in the west and set in the east on the planet Venus?
  - A. Venus is closer to the sun than Earth.
  - B. Venus has a dense atmosphere that provides an insulating effect.
  - C. The rotation of Venus is opposite to other planets.
  - D. Venus rotates very slowly on its axis.
  
2. A pouched mammal does not lay eggs, but gives birth to its young. After the young are born, they are put in their mother's pouch. This is true because
  - A. it provides shelter from the weather
  - B. the young are not well developed
  - C. other predators will eat the young
  - D. the mother hunts food while the young sleeps
  
3. A girl is jumping on a trampoline. After each bounce, she rose higher and higher. Why would it be easier to turn a flip on a trampoline?
  - A. She has someone watching.
  - B. She would not hurt her back.
  - C. She adds energy to her bounce by pushing with her legs.
  - D. She would get in shape by practicing.



- Plants can use nitrogen after it has been converted by
- A. photosynthesis
  - B. bacteria
  - C. evaporation
  - D. compounds

5.

Biomes	Rainfall per year
Deciduous Forest	100 cm
Tropical Rain Forest	225 cm
Grasslands	50 cm
Taiga	35 cm
Desserts	20 cm
Tundra	15 cm

- Which biome would be able to support the most plant life?
- A. Grasslands
  - B. Taiga
  - C. Deciduous Forest
  - D. Tropical Rain Forest