

SKILLS LIST and SAMPLE ITEMS FOR

PRACTICE TEST, SCIENCE, GRADE 6

(Test items developed for skills measured in TERRA NOVA [CTBS]*)

Skills

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|-----|--|-----|--|
| 1.0 | Fundamental Concepts | 5.0 | Science and Technology |
| 1.1 | Understanding of the
Fundamental Concepts of
Science Inquiry | 5.1 | Understanding of How
Technology and Science
Interact |
| 2.0 | Physical Science | 6.0 | Personal and Social Perspec-
tives in Science |
| 2.1 | Fundamental Concepts and
Principles of Physical
Science | 6.1 | Personal and Social Issues |
| 2.2 | Light/Heat/Electricity | 7.0 | Thinking Skills |
| 3.0 | Life Science | 7.1 | Generate Ideas |
| 3.1 | Fundamental Concepts and
Principles | 7.2 | Gather Information |
| 3.2 | Apply Principles | 7.3 | Organize Information |
| 4.0 | Earth and Space Science | 7.4 | Analyze Information |
| 4.1 | Fundamental Concepts and
Principles of Earth and
Space Science | 7.5 | Synthesize Elements |
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Number of questions: 40

Number of pages: 15

Approximate testing time: 40 minutes

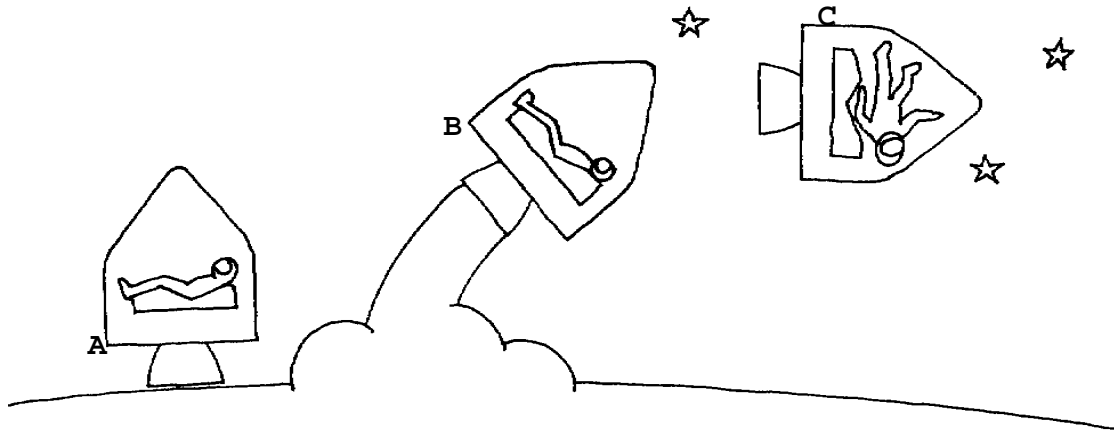
CTBS and CAT are parallel tests

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Terra Nova PRACTICE TEST IN SCIENCE - GRADE 6

Directions: The diagram below shows an astronaut who weighs 670 newtons and whose mass is 68 kilograms. He is in a rocket that is being blasted into orbit around the earth. From this information and the diagram below, answer Number 3.



3. The rocket lifts off the pad (A) and accelerates rapidly (B). Suppose this astronaut is on a scale. How does his weight as he accelerates compare with his weight on the ground?
- A. It increases.
 - B. It decreases initially then increases.
 - C. It decreases.
 - D. It remains the same.
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4. The original telephone used copper cables to carry people's voices. These cables were not very reliable. Which of the following has been used to replace these copper cables?
- A. laser beams
 - B. plastic wires
 - C. fiber optics
 - D. television cable
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