

SKILLS LIST and SAMPLE ITEMS

FOR

PRACTICE TEST, SCIENCE, GRADE 5

(Test items developed for skills measured in FCAT)

Skills

- | | |
|------------------------------------|-------------------------------------|
| 1.0 Matter | 5.0 Earth and Space Science |
| 1.1 Properties of Matter | 5.1 Objects in the Sky |
| 1.2 Atomic Energy | 6.0 Life Science |
| 2.0 Energy | 6.1 Structure and Function |
| 2.1 Properties of Energy | 6.2 Genetic Diversity |
| 2.2 Limited Energy Sources | 7.0 Interaction in Environment |
| 3.0 Force and Motion | 7.1 Nature of Living Things |
| 3.1 Speed/Distance/Direction | 7.2 Limitation of Natural Resources |
| 3.2 Force | 8.0 Nature of Science |
| 4.0 Earth Science | 8.1 Problem Solving |
| 4.1 Properties of Earth Materials | 8.2 Natural Events |
| 4.2 Reuse/Recycle/Reduce Resources | 8.3 Science/Technology/Society |
-

Number of questions: 50

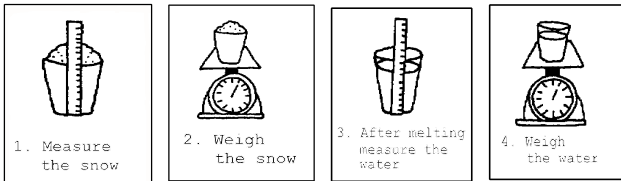
Number of pages: 9

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(OVER)

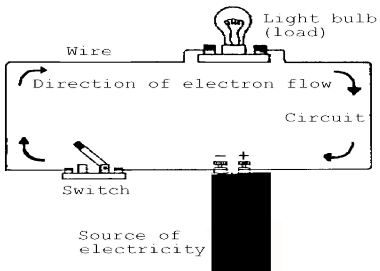
FCAT PRACTICE TEST IN SCIENCE - GRADE 5

Use this picture to answer question 1.

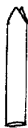


- Which conclusion can be drawn from these pictures?
 - Water in the solid state takes up more space than water in the liquid state.
 - Water is heavier than snow.
 - Snow is the gaseous state of water.
 - Water is lighter than snow.

- Why will the bulb NOT light up in this circuit?



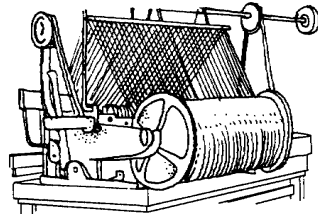
- The direction of the electron flow is incorrect.
 - The switch is open.
 - The battery is too large.
 - It needs two batteries.
- Students were given scissors and straws for a science activity. The activity included making a straw flute by cutting the end of a straw as shown below and blowing hard in the pointed end. The result was a very loud sound.



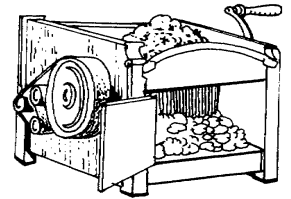
What made the sound?

- air circulating around the straw
- vibration of the tongue of the person blowing in the straw
- vibration of the straw
- expansion of the straw

These pictures show two inventions that had a major impact in the Industrial Revolution. Use the pictures below to answer question 4.

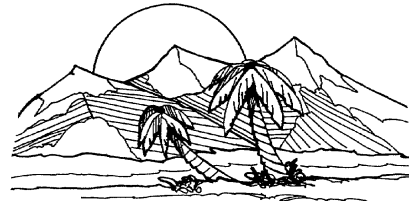


1790 Spinning Machine



1793 Cotton Gin

- How are the spinning machine and the cotton gin alike?
 - They both used a lever.
 - They both depended on a gasoline engine.
 - They were both used to separate cotton and cotton seeds.
 - They both depended on a system of pulleys to make them work.
- The height of a mountain changes over the years due to



- thunder
 - sand
 - lightning
 - erosion
- The tilt of the earth's axis causes what?
 - condensation
 - the change of seasons
 - an eclipse
 - the phases of the moon