

5th Grade Science SOLs

Study Guides & Review Worksheets

Sources of Energy

Nonrenewable Energy

Nonrenewable energy sources are natural resources that cannot be replaced after they are used because they take millions of years to form.

Examples:

Fossil fuels are formed from the remains of ancient plants and animals.

Fossil fuels include



Petroleum (oil)



Coal



Natural Gas

Air Pollution



Water Pollution



Conservation

Conservation is the careful use and preservation of energy, saving non-renewable resources and conserving the environment.

- Turn off lights and electronics
- Fix leaking pipes
- Take shorter showers
- Unplug unused devices
- Use natural light

- Live with water
- Replenish water resources in your summer
- Plant trees

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Geology

Terms to Know

- **Weathering:** The breaking down and changing of rocks and minerals due to natural processes.
- **Erosion:** The process of soil, rocks, and other sediments being carried away or moved by natural forces such as wind, water, and ice.
- **Deposition:** When bits of soil, rocks, and other sediments settle in a new place.

Layers of the Earth



The Earth has layers. Pressure and temperature increase the deeper you go below the Earth's surface.

- **Crust:** The thin, outermost layer of the Earth. It is composed of solid rock.
- **Mantle:** The largest layer that is between the crust and the outer core. It is made of hot, semi-solid rock.
- **Outer Core:** The liquid layer surrounding the inner core.
- **Inner Core:** A solid sphere at the center of the Earth. It is made of materials such as iron and nickel.

Earth's Movements

Divergent Boundaries

- Plates move apart from each other.
- Results in volcanoes and mountain formation.



Convergent Boundaries

- Plates move toward each other.
- Results in earthquakes and mountain formation.



Transform Boundaries

- Plates slide past each other.
- Results in earthquakes.



Thermal Energy

Earth's thermal energy causes movement within the Earth. It creates currents in the mantle that move the Earth's tectonic plates. This plate movement can result in earthquakes, volcanoes, and mountain formation.

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5th Grade Science Fcat Study Guide

Lingjun Ying



5th Grade Science Fcat Study Guide:

Show What You Know on the 5th Grade Fcat, 2007 5th Grade FCAT Parent Teacher Edition The Show What You Know on the 5th Grade FCAT Parent Teacher Edition is aligned to the Sunshine State Standards tested on the 5th Grade FCAT for Reading Mathematics and Science This edition includes teaching tips and activities to reduce test anxiety in students and reviews test taking strategies to help students succeed on the FCAT

Resources in Education, 2001-10 *Fcat Asmnt Gr3 Sci 07* HSP, 2004-09

Great Source Fcat Science Florida, 2004-01-01 Thorough coverage of concepts outlined in the Florida Sunshine State Standards for science Step by step strategies for answering multiple choice gridded response short response and extended response questions Complete practice test modeled after the FCAT science exam Extra vocabulary review and practice of test items Handy tables containing key science and math formulas a periodic table and a comprehensive science glossary

Library Journal, 2005 *Children's Books in Print* R R Bowker Publishing, Bowker, 1999-12 *Library Journal* Melvil Dewey, Richard Rogers Bowker, L. Pylodet, Charles Ammi Cutter, Bertine Emma Weston, Karl Brown, Helen E. Wessells, 2005 Includes beginning Sept 15 1954 and on the 15th of each month Sept May a special section School library journal ISSN 0000 0035 called Junior libraries 1954 May 1961 Also issued separately

The Publishers Weekly, 2006 *The Journal of Materials Education*, 1983

El-Hi Textbooks and Serials in Print, 2006

Literacy S. N. Colamery, 2000 Literacy is defined as the ability to read and write One would expect that as the world enters the 21st century of the Third Millennium we wouldn't even need to discuss such a topic But alas that is not the case Even in the United States the only so called superpower left standing at the moment the rate of illiteracy is astonishing Some cynics say that there is no cause for alarm since the rich elite class needs millions of workers for low paid jobs and the less educated the better Others say that the lack of literacy is the fault of the schools and that if we double the pay of the teachers they will somehow suddenly be interested in teaching Still others say that with television and VCRs everywhere who needs to read and write anyway In this book we have collected citations sorted and indexed them in a way which we hope will be useful for those seeking further information on this topic At the beginning we offer excerpts from some of the fundamental reports summarising the dismal situation

Books In Print 2004-2005 Ed Bowker Staff, Staff Bowker, Ed, 2004 *Subject Guide to Books in Print*, 2001

Spectrum Florida Test Prep, Grade 5 McGraw-Hill Childrens Publishing, Vincent Douglas, 2003-08-29 Test with success using Florida Test Prep This book features essential test practice in reading math and language for students in grade 5 and provides the most comprehensive strategies for effective FCAT test preparation Today more than ever students need to be equipped with the skills required for school achievement and success on proficiency tests The book includes suggestions for parents and teachers answer keys progress charts self assessment exercises and scoring rubrics This 160 page book aligns with state and national standards is perfect for use at home or in school and is favored by parents homeschoolers and teachers

Forthcoming Books Rose Army, 2003 *RES 5th*

Grade Science STAAR Study Guide Responsive Education Solutions,2016-11-01 Individual 5th Grade Science STAAR Study Guide Great Source Fcat Science Florida ,2004-01-01 Thorough coverage of concepts outlined in the Florida Sunshine State Standards for science Step by step strategies for answering multiple choice gridded response short response and extended response questions Complete practice test modeled after the FCAT science exam Extra vocabulary review and practice of test items Handy tables containing key science and math formulas a periodic table and a comprehensive science glossary **American Book Publishing Record** ,2005 *What Works in Teaching and Learning* ,2006

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