

5th Grade Science SOLs

Study Guides & Review Worksheets

Sources of Energy

Nonrenewable Energy

Nonrenewable energy resources 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 protection of energy resources. It means using resources in a way that conserves them.

- Turn off lights and electronics when leaving a room.
- Use energy-efficient light bulbs.
- Use energy-efficient appliances.
- Use energy-efficient devices.
- Use natural light.

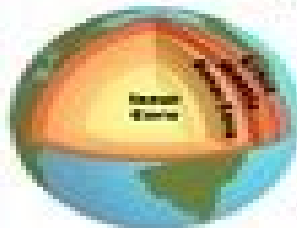
- Take short showers.
- Recycle paper and plastic.
- Recycle food scraps.
- Recycle glass.
- Recycle metal.

Geology

Terms to Know

- Erosion:** The breaking down and changing of rocks and minerals due to natural processes.
- Strata:** The process of soil, rocks, and other sediments being carried away or moved by natural forces, such as wind, water, and ice.
- Deposition:** When lots 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 magma formation.



Convergent Boundaries

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



Fifth Grade Study Guide For Cba Science

ML Yell



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Teaching Students in Inclusive Settings Dianne F. Bradley,Margaret E. King-Sears,Diane M. Tessier-Switlick,1997 This book provides information for teachers to use when including students with disabilities in general education schools and classrooms This book provides theory with a lot of practical how to information focuses on methods for students with mild moderate and severe disabilities at all grade levels and contains examples that are based on real life applications of how educators from all disciplines have used these methods **Dissertation Abstracts** ,1969 *Science Education* ,1965

ERIC Educational Documents Index, 1966-69: Major descriptors ,1970 Industrial Education ,1976 **NCEA Bulletin** National Catholic Educational Association,1962 **Bulletin** National Catholic Educational Association,1962 Nov issue includes Proceedings of the annual meeting 1927 1935 Aug issue includes Proceedings of the annual meeting 1937 1966 **Report of the Proceedings and Addresses of the ...** National Catholic Educational Association,1961 **The Subject Curriculum: Grades K-12** Morton Alpren,1967 ERIC Educational Documents Index Educational Resources Information Center (U.S.),1966 A subject author institution index which provides titles and accession numbers to the document and report literature that was announced in the monthly issues of Resources in education earlier called Research in education **Raising the Stakes of Test Administration** Vonda L. Kiplinger,1993 Science Tests and Reviews Buros Center,1975 Science Tests and Reviews consisting of science sections of the first seven MMYs and Tests in Print II includes 217 original test reviews written by 81 specialists 18 excerpted test reviews 270 references on the construction use and validity of specific tests a bibliography on in print science tests references for specific tests cumulative name indexes for specific tests with references a publishers directory title index name index and a scanning index The 97 tests covered fall into the following categories 23 general 14 biology 35 chemistry 3 geology 6 miscellaneous and 16 physics **Cornell University Courses of Study** Cornell University,1981 **Research Studies in Education** ,1965 **Audiovisual Market Place** R. R. Bowker LLC,1972

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