

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 longest 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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Grade 5 Science Study Guide

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Grade 5 Science Study Guide:

This book delves into Grade 5 Science Study Guide. Grade 5 Science Study Guide is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Grade 5 Science Study Guide, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
 - Chapter 1: Introduction to Grade 5 Science Study Guide
 - Chapter 2: Essential Elements of Grade 5 Science Study Guide
 - Chapter 3: Grade 5 Science Study Guide in Everyday Life
 - Chapter 4: Grade 5 Science Study Guide in Specific Contexts
 - Chapter 5: Conclusion
2. In chapter 1, the author will provide an overview of Grade 5 Science Study Guide. The first chapter will explore what Grade 5 Science Study Guide is, why Grade 5 Science Study Guide is vital, and how to effectively learn about Grade 5 Science Study Guide.
3. In chapter 2, the author will delve into the foundational concepts of Grade 5 Science Study Guide. This chapter will elucidate the essential principles that need to be understood to grasp Grade 5 Science Study Guide in its entirety.
4. In chapter 3, this book will examine the practical applications of Grade 5 Science Study Guide in daily life. The third chapter will showcase real-world examples of how Grade 5 Science Study Guide can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Grade 5 Science Study Guide in specific contexts. The fourth chapter will explore how Grade 5 Science Study Guide is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Grade 5 Science Study Guide. This chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Grade 5 Science Study Guide.

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