

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

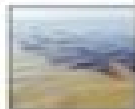


Natural Gas

Air Pollution



Water Pollution



Conservation

Conservation is the careful use and protection of energy, saving nonrenewable resources and conserving energy.

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

- Live with water
- Reuse water
- Recycle
- Plant trees

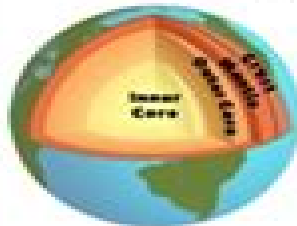
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Geology

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.



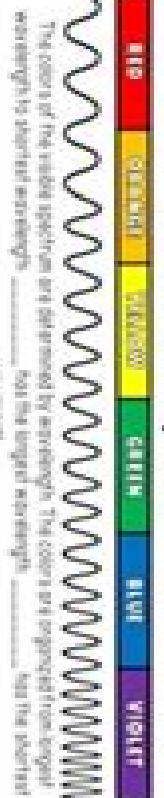
Thermal Energy

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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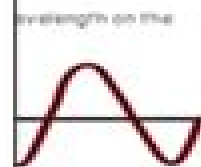


The Visible Spectrum



Wavelength is the distance between two crests or troughs of waves passing.

Frequency is the number of waves that pass a point in a given amount of time. The higher the frequency, the shorter the wavelength.



Energy



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Va Science Sol 5th Study Guide

G Psacharopoulos



Va Science Sol 5th Study Guide:

This book delves into Va Science Sol 5th Study Guide. Va Science Sol 5th Study Guide is a crucial topic that needs to be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Va Science Sol 5th Study Guide, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Va Science Sol 5th Study Guide
- Chapter 2: Essential Elements of Va Science Sol 5th Study Guide
- Chapter 3: Va Science Sol 5th Study Guide in Everyday Life
- Chapter 4: Va Science Sol 5th Study Guide in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, this book will provide an overview of Va Science Sol 5th Study Guide. This chapter will explore what Va Science Sol 5th Study Guide is, why Va Science Sol 5th Study Guide is vital, and how to effectively learn about Va Science Sol 5th Study Guide.
3. In chapter 2, the author will delve into the foundational concepts of Va Science Sol 5th Study Guide. The second chapter will elucidate the essential principles that need to be understood to grasp Va Science Sol 5th Study Guide in its entirety.
4. In chapter 3, this book will examine the practical applications of Va Science Sol 5th Study Guide in daily life. This chapter will showcase real-world examples of how Va Science Sol 5th Study Guide can be effectively utilized in everyday scenarios.
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6. In chapter 5, this book will draw a conclusion about Va Science Sol 5th Study Guide. The final chapter will summarize the key points that have been discussed throughout the book.

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

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