

# 3rd Grade Science SOLs

## Study Guides & Review Worksheets

### Conservation

#### Term to Know

- **Conservation:** The careful use and preservation of natural resources.

#### Human Impact

Human actions can harm ecosystems and living things.

- **Pollution:**
  - Clearing large parts of land
  - Over-fertilizing soils
  - Dumping solid or hazardous materials for power

#### Natural Events

Natural events can also harm ecosystems and living things. Humans can help reduce the effects.

- **Forest Fires:** Use controlled burns.
- **Terrestrial and marine species:** Use safe construction materials and building codes.
- **Coastal erosion:** Plant vegetation along shores.
- **Flooding:** Install flood barriers, dams, or water control.

#### Water

All living things need safe drinking water.

#### Ways to Reduce Water Waste and Pollution

- **Conserving Water:** Turn off faucets when they are not in use, fix leaking pipes, and take shorter showers.
- **Reduce Pollution:** Throw away waste in proper recycling centers and safety measures when driving for oil.



#### Soil & Land

Soil provides nutrients and support for plants. Soil and land provide habitats.

#### Ways to Reduce Soil and Land Pollution

- **Recycle:** Recycle to reduce trash in landfills.
- **Compost:** Compost food scraps and yard waste. Composting reduces the need for chemical fertilizers.
- **Reduce Littering:** Throw away waste in proper recycling centers and safety measures when driving for oil.

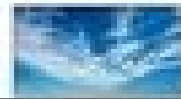


#### Clean Air

All living things need clean air.

#### Ways to Reduce Air Pollution

- **Reduce Emissions:** Walk or ride a bike instead of using a car or bus.
- **Plant Trees:** Plants filter the air.
- **Reduce Dust Emissions:** Use power from the sun and wind instead of oil, coal, or natural gas.



### Soil



#### Composition

Components

Water

Clay

Silt

Sand

Rocks

Clay

#### Soil and Plants

##### Clay

Clay's tiny particles hold onto water and nutrients, allowing plants to grow.



##### Silt

Silt's slightly larger particles can hold onto some water and nutrients, but it doesn't support plant growth as well as clay.



#### Soil and Life

Soil is an important natural resource. It provides food for many living things.

Soil supports plants. Plants use their roots to absorb water and nutrients from the soil.

Soil has organisms. Plants and animals need soil to live.

Soil provides habitats for plants and animals. Animals such as worms and insects live in the soil and make the soil their home.

#### Feeding & Filling Forests



# Grade 3 Science Sol Study Guide

**IM Harris**



## **Grade 3 Science Sol Study Guide:**

## **Grade 3 Science Sol Study Guide** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Grade 3 Science Sol Study Guide**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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