

Science 9 Unit Outline

Science 9 Textbook

REPRODUCTION

- 5.1-The Microscope and Cell Theory
- 5.2-Cells:The Basic Unit of Life
- 5.4-The Importance of Cell Division
- 5.5-Cell Division
- 5.8-Reproductio and Cell Division

- 6.1-DNA:The Genetic Material
- 6.2-DNA, Mutations and Cancer
- 6.5-Regeneration
- 6.7-Producing Plants without Seeds
- 6.9-Cloning

- 7.2-Meiosis
- 7.9-Atypical Meiosis
- 7.11-Karyotypes

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SPACE

- 13.1-What Can We See in the Night Sky
- 13.3-The Effects of Planetary Motion
- 13..4-Recognizing Constellations
- 13.10-The Solar System
- 13.14-A Closer Look at the Planets
- 13.15-Other Objects in the Solar System

- 14.7-The Sun: An Important Star

- 15.1-The Life of a Star
- 15.5-The Origin of the Universe
- 15.6-The Hubble Deep Field

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ECOSYSTEMS

- 1.1-Silence of the Frogs
- 1.2-Endangered Species
- 1.5-Ecology
- 1.10-Energy in Ecosystems
- 1.11-Following Energy Movements in Ecosystems
- 1.12-Roles in Ecosystems

- 2.1-Cycling of Matter
- 2.2-Case Study:Pesticides
- 2.5-Carbon Cycle
- 2.6-Nitrogen Cycle
- 2.9-Monitoring Changes in Populations
- 2.10-Limits on Populations

- Ecosystems Seminars

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WEATHER

- 13.1-A Closer Look at the Earth
- 13.2-Earth's Energy Balance
- 13.4-The Atmosphere
- 13.6-Prevailing Winds
- 13.9-Major Ocean Currents
- 13.11-Clouds and Fog
- 13.13-A Global Weather Model

- 14.2-North American Weather Systems
- 14.3-Case Study:Three Days of Canadian Weather
- 14.4-Regional Weather
- 14.5-Precipitation
- 14.6-Humidity

- 15.1-Weather Records and Events
- 15.3-Thunderstorms and Tornadoes
- 15.4-Floods and Drought
- 15.6-Hurricanes, Typhoons and Tropical Cyclones
- 15.7-Blizzards
- 15.9-Extreme Heat and Cold
- 15.12-El Nino and La Nina