



PLANIT
TEACHERS

Water Effects on the Environment: Exploring the Water Cycle

Student Name: _____

Class: _____

Due Date: _____

Introduction to the Water Cycle

Welcome to this exciting homework assignment all about the water cycle! In this activity, you will learn about the different stages of the water cycle and how important it is for our environment.

The water cycle is the journey water takes as it circulates from the Earth to the air and back again. It's an important process that helps our planet stay healthy and full of life.

What is the water cycle?

Understanding the Water Cycle

The main stages of the water cycle are:

- **Evaporation:** When the sun heats up water in oceans, lakes, and rivers, it turns into water vapor and rises into the air.
- **Condensation:** When the water vapor in the air cools down, it turns back into liquid water, forming clouds.
- **Precipitation:** When the clouds get too heavy with water, it falls back to the Earth as rain, snow, or hail.

What are the main stages of the water cycle?

Activity 1: Water Cycle Diagram

Draw a diagram of the water cycle, including the main stages: evaporation, condensation, and precipitation. Use different colors to represent different parts of the cycle. Write a short sentence explaining each stage.



Activity 2: Water Conservation Poster

Design a poster about the importance of water conservation. Think about ways people can save water at home, school, and in their community. Include at least three tips on water conservation and illustrate them with simple drawings.

A large, empty rectangular box with a thin black border, intended for the student to draw their water conservation poster. It occupies the central portion of the activity area.

Activity 3: Water Cycle Story

Imagine you are a water droplet. Write a short story about your journey through the water cycle. Include all stages of the water cycle in your story. Think about the different forms you might take (e.g., liquid, ice, vapor).

Extension Activity: Water Pollution Research

Research how water pollution affects the environment and living organisms. Write a short report about what you find. Include examples of water pollution, its effects, and ways to prevent it.

Questions

1. What is the water cycle?

2. What are the main stages of the water cycle?

3. Why is water conservation important?

4. What are some ways people can save water at home, school, and in their community?

5. How does water pollution affect the environment and living organisms?

Reflection

Take some time to reflect on what you've learned about the water cycle and water conservation. Think about how you can apply what you've learned in real life. Write a short paragraph about what you've learned and how you can help protect our environment.

Fun Facts

The water cycle is also known as the hydrologic cycle.

The Earth's oceans, lakes, and rivers hold about 97% of the planet's water.

Water conservation is important because it helps protect our planet's water supply and prevents water pollution.

Glossary

Evaporation: When the sun heats up water, it turns into water vapor and rises into the air.

Condensation: When the water vapor in the air cools down, it turns back into liquid water.

Precipitation: When the clouds get too heavy with water, it falls back to the Earth as rain, snow, or hail.

Water conservation: The practice of using water wisely and efficiently to protect our planet's water supply.

Conclusion

Congratulations! You have completed this homework assignment on the water cycle and water conservation. Remember to always use water wisely and efficiently to protect our planet's water supply. Keep exploring and learning about the importance of water in our environment!