



Introduction to Water Conservation (10 minutes)

Read the following text and answer the questions:

Water conservation is the practice of using water efficiently and reducing waste to protect this vital resource. It is essential for our daily lives, and every small action counts. In this worksheet, we will explore different water conservation methods and techniques that you can apply in your daily life.

1. What is water conservation?

2. Why is water conservation important?

Water Conservation Methods (20 minutes)

Read the following text and complete the table:

There are several water conservation methods that can be applied in daily life. These include:

- Rainwater Harvesting: Collecting and storing rainwater for non-potable purposes such as watering plants or washing cars.
- Greywater Reuse: Reusing wastewater from sinks, showers, and washing machines for irrigation or flushing toilets.
- Low-Flow Fixtures: Installing low-flow showerheads, toilets, and faucets to reduce water usage.
- Water-Efficient Appliances: Using appliances that are designed to use less water, such as dishwashers and washing machines.

| Method | Description | Benefits |
|----------------------------|-------------|----------|
| Rainwater Harvesting | | |
| Greywater Reuse | | |
| Low-Flow Fixtures | | |
| Water-Efficient Appliances | | |

Water-Saving Tips (15 minutes)

Read the following text and complete the checklist:

Here are some water-saving tips that you can apply in your daily life:

- Turn off the tap while brushing your teeth: Save up to 4 gallons of water per day.
- Take shorter showers: Save up to 2.5 gallons of water per minute.
- Fix leaks: Save up to 20 gallons of water per day.
- Use a water-efficient washing machine: Save up to 30 gallons of water per load.

Checklist:

- Turn off the tap while brushing your teeth
- Take shorter showers
- Fix leaks
- Use a water-efficient washing machine

Water Conservation Activities (20 minutes)

Choose one of the following activities:

1. Conduct a water audit of your home or school to identify areas where water can be saved.
2. Create a poster that promotes water conservation and provides tips and strategies for saving water.
3. Create a short skit that demonstrates a water conservation method or technique.

[Space for activity]

Water Conservation Quiz (15 minutes)

Answer the following questions:

1. What is the main reason why water conservation is important?

2. What is the purpose of a rainwater harvesting system?

3. What is the benefit of using a low-flow showerhead?

Water Conservation Project (30 minutes)

Design a water conservation system for your school or home. Consider the water needs of your school or home and propose a system that reduces water waste and promotes water efficiency.

[Space for project]

Conclusion (10 minutes)

Read the following text and answer the questions:

Water conservation is an essential practice that requires our attention and action. By applying the water conservation methods and techniques outlined in this worksheet, you can make a significant impact on reducing water waste and promoting sustainability.

1. What is the importance of water conservation?

2. How can you contribute to water conservation in your daily life?

Glossary (10 minutes)

Match the terms with their definitions:

| Term | Definition |
|----------------------|------------|
| Water Conservation | |
| Rainwater Harvesting | |
| Greywater Reuse | |

References (10 minutes)

List the sources used in this worksheet:

- National Geographic Water Conservation Website
- Water Conservation Poster
- Rainwater Harvesting Model

Answer Key (10 minutes)

Check your answers with the answer key:

1. What is the main reason why water conservation is important?

Answer: To conserve water for future generations

2. What is the purpose of a rainwater harvesting system?

Answer: To collect and store rainwater for non-potable purposes

3. What is the benefit of using a low-flow showerhead?

Answer: It uses less water than a regular showerhead

