



Introduction (5 minutes)

Welcome to the "Designing Solutions for Conserving Water in Our Daily Lives" worksheet! This activity is designed for 5-year-old students to learn about the importance of water conservation and design their own water-saving solutions.

Throughout this worksheet, students will engage in hands-on activities, games, and discussions to develop their critical thinking, creativity, and problem-solving skills.

Water Conservation Basics (10 minutes)

Water conservation is the practice of using water efficiently and reducing waste. Why is water conservation important?

1. Water is a limited resource
2. Conserving water helps protect the environment
3. Every small action can make a big difference

Designing Water-Saving Solutions (15 minutes)

Design a water-saving solution for your home or school. Consider the following questions:

1. What are some ways to save water in your daily life?
2. How can you reduce water waste?
3. What materials can you use to create a water-saving device?

Water Cycle and Conservation (10 minutes)

The water cycle is the process by which water moves from the Earth to the atmosphere and back again. How does the water cycle relate to water conservation?

1. Water conservation helps maintain the balance of the water cycle
2. Reducing water waste helps protect the environment
3. Every small action can make a big difference

Water Conservation in Daily Life (10 minutes)

How can you conserve water in your daily life?

1. Turn off the tap while brushing your teeth
2. Take shorter baths
3. Use a cup to rinse your hands

Design a Water-Efficient System (15 minutes)

Design a water-efficient system for a fictional community. Consider the following questions:

1. What are the community's water needs?
2. How can you reduce water waste?
3. What materials can you use to create a water-efficient system?

Water Conservation and the Environment (10 minutes)

How does water conservation affect the environment?

1. Reducing water waste helps protect wildlife habitats
2. Conserving water helps maintain the balance of the water cycle
3. Every small action can make a big difference

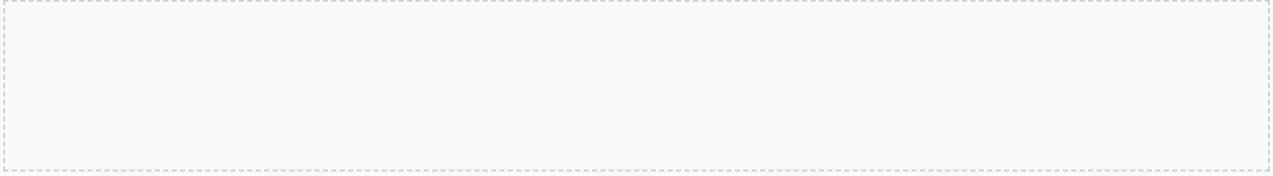
Conclusion (5 minutes)

Congratulations! You have completed the "Designing Solutions for Conserving Water in Our Daily Lives" worksheet. Remember, every small action can make a big difference in conserving water and protecting the environment.

Activities and Questions (15 minutes)

Choose one of the following activities:

1. Draw a picture of a water-saving device you would like to invent.
2. Write a short story about a character who learns about water conservation.
3. Create a poster about the importance of water conservation.



Glossary (5 minutes)

Define the following terms:

1. Water conservation: the practice of using water efficiently and reducing waste
2. Water cycle: the process by which water moves from the Earth to the atmosphere and back again
3. Water-efficient: using water in a way that reduces waste and conserves this limited resource

Extension Task (15 minutes)

Design a water-efficient system for your home or school. Consider the following questions:

1. What are the water needs of your home or school?
2. How can you reduce water waste?
3. What materials can you use to create a water-efficient system?

ELL Support (10 minutes)

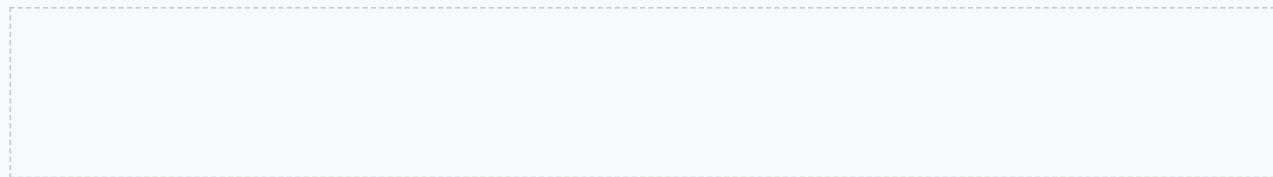
For English language learners, provide additional support by:

1. Providing visual aids and diagrams to explain complex concepts
2. Using simple language and definitions
3. Encouraging students to ask questions and seek help when needed

Tools and Resources (10 minutes)

Provide students with the following tools and resources:

1. Pencils, paper, and markers for designing and drawing
2. Access to computers or tablets for research and design
3. Water conservation websites and educational resources



Assessment (10 minutes)

Assess student understanding by:

1. Reviewing their designs and written work
2. Observing their participation in class discussions and activities
3. Using a rubric to evaluate their understanding of water conservation concepts

Conclusion and Reflection (10 minutes)

Have students reflect on what they learned and how they can apply it in their daily lives.

Individual Reflection:

1. What did you learn about water conservation?
2. How can you apply what you learned in your daily life?
3. What questions do you still have about water conservation?

