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## **4.0 “WATER HAS MANY USES” MINI-UNIT GRADES K-5**

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# “WATER HAS MANY USES” FAMILY QUESTIONNAIRE

Together with your family, list as many uses for water as you can. Does your family use water differently in summer and winter months? Next, decide on your family’s top 7 uses and list below.

**The ways our family uses water:**

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**“My Family’s Top 7 Uses of Water”** (In order of importance to us)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

Talk with your family about people who live in developing countries who may not have toilets, washing machines, dishwashers or any running water in their homes. Do you think people without running water use water differently than your family? How?

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Pretend with your family that beginning tomorrow you will no longer have running water in your home. Your family will only be able to get water from a well that is located two miles from your home. You have to walk to and from the well to collect your water. Plan how your family will work together to bring the needed amount of water to your home. Assign a role to each member of the family. (Things to consider: You will need 15 gallons of water. What container size will you use? How much will the containers weigh? Do you have younger siblings? Is everyone in the family capable of making the trip?)

Family Member: \_\_\_\_\_ Role/Duties: \_\_\_\_\_

Family Member: \_\_\_\_\_ Role/Duties: \_\_\_\_\_

Family Member: \_\_\_\_\_ Role/Duties: \_\_\_\_\_

Family Member: \_\_\_\_\_ Role/Duties: \_\_\_\_\_

Family Member: \_\_\_\_\_ Role/Duties: \_\_\_\_\_

# “WATER HAS MANY USES” COLLAGE INSTRUCTIONS

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A collage is made from images or objects that are glued or attached in some other way. The word “collage” comes from the French word, *coller*, which means to stick.

**Materials needed:**

paper, cardboard or poster-board, magazines, glue sticks or bottles of glue, and scissors.

**Pre-activity:**

Have students complete the “Water Has Many Uses” Family Questionnaire the night before the collage activity. Have students brainstorm uses for water in class as a warm-up activity.

**Prompt:**

Create a collage or collection of pictures and images that show the many ways people use water (or a collage of things that need water to live). Tell students that finding the right pictures for their collage is like going on a treasure hunt!

**Post-activity:**

Allow students the opportunity to explain the images they selected for their collages.

People all over the world use water in many different ways. What is your favorite use for water? **Draw a picture of yourself enjoying water.**



Now, trace the word water.

WATER

# A DROP OF WATER: WRITING ACTIVITY

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1. On the first line write one reason why water is important.
2. On the second line write down three adjectives to describe water.
3. On the third line use water in a sentence.

1.

2.

3.

# GLOBAL AWARENESS FACT SHEET

All living creatures, including humans, need water to survive

Despite all the water in the world, only a small amount is available to humans and other creatures that depend on freshwater

Poor people often pay more for water than wealthy people living in the same city

Water can travel from one part of the world to another through the water cycle

Human activities affect water quality all over the world

Many people living in other countries die because the water they drink makes them sick

2.6 billion people in the world lack basic sanitation resources

A person needs 4 to 5 gallons of clean water per day to survive

More than 700 gallons of water are needed to grow the cotton for just one T-shirt!

People living in water-rich regions can affect how people use water in water-deprived areas

Conserving water helps to preserve the planet's natural resources

Protecting freshwater resources is difficult because many rivers, lakes, and underground aquifers cross national boundaries

Salt water accounts for more than 97 percent of the water on Earth.

Millions of women and children spend several hours a day collecting water

In many parts of the world, fresh water is being used faster than it can be replaced

Less than 1% of the world's fresh water is readily accessible for direct human use

The earth has a limited amount of water. The same water keeps going around and around the planet in a process called the water cycle

A person can live weeks without food, but only about three days without water

All people need access to safe drinking water and improved sanitation conditions

Many people in the world suffer from health problems caused by drinking dirty water

**Sources:** (<http://www.amnh.org>) (<http://water.org>) (<http://news.nationalgeographic.com>)