



# THE MIRACLE OF WATER

K-1 Teacher Guide

KANSAS CORN STEM

This teacher's guide is broken into the different sections with suggestions of how to use the reader in the classroom and provide ideas on how to extend the learning of your students. A PDF version of this teacher guide with active links can be found at [kansascornstem.com](http://kansascornstem.com) under Mystery Corn Reader.

## Grades K-1

This reader can be used in small groups or a whole group for reading or science.

Depending on your readers, this reader would be more appropriate to be read aloud to your students.

## Outcome

- Students will have knowledge of the targeted vocabulary word.
- Students will be able to identify that water is recycled and reused.
- Students will be able to explain the two types of water we have on our earth.

## Vocabulary Words

- Water Vapor: water that is in the form of a vapor or a gas.
- Condensation: the process where water vapor becomes liquid.
- Oxygen: it is colorless, odorless and tasteless. Every time you breathe you breathe in oxygen, without it you cannot breathe.

## Activity

Introduce these words before you begin reading. Ask students if they have heard or recognize the words. Then, read the definitions and talk about them as a class. Do more of the students recognize the words now? See if students can use the vocabulary words in sentences. Pictures from the reader or a Google search can be used to help explain these words as well.

## Front Cover

Read the question at the bottom. Give time for students to brainstorm and share these ideas. These ideas can be written down so they can be discussed again at the end of the lesson.

## Inside

When you come to a vocabulary word, take the time to stop and redefine the word.

## The Water Cycle

- An anchor chart can be made to show the water cycle. While going over the water cycle, students can add their knowledge or observations to the chart.
- To further the water cycle, videos can be found online to break it down even more.
- Discuss how water is recycled and reused. We are using the same water that dinosaurs used! How cool is that?!?

Find more fun and interactive  
resources at [kansascornstem.com](http://kansascornstem.com)



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## Water's Salty Secret

- After reading this section, talk further about the two different types of water.
- Has anyone ever been to the ocean? Can they describe what the salt water tasted like or felt like?
- An anchor chart can be made with freshwater and saltwater.
  - Saltwater: list all the animals that use it and where saltwater is found.
  - Freshwater: list all the ways humans and animals use it.

## Back Cover

### ***Do You Remember: Saltwater or freshwater?***

- Draw lines matching the things that use saltwater.
- Draw lines matching the things that use freshwater.

### ***Do You Remember: Draw the water cycle!***

Students can look at the water cycle inside the magazine or use the water cycle example you made on your anchor chart (if one was made).

- The words are there for students.
- Students will draw a picture to represent that portion of the water cycle.

## Additional Kansas Corn STEM Resources

This reader can be used as a stand-alone activity, or you can pair it with other Kansas Corn STEM offerings.

- ***Free Education Kit and Lesson:*** The best resource to pair with this reader is one of our corn lessons that comes with a free education kit. The kit contains all the supplies needed to conduct a series of lessons that meet NGSS, are inquiry-based and hands-on. No training or prior knowledge about corn is needed to teach these lessons. Request your free kits at <https://kscorn.com/request-materials/>
- ***Lesson Library:*** With a lesson library of over 90 lessons and labs, you can find numerous resources to use. Make sure to check out our TEACH-FLEX lessons that use easy to find classroom materials. <https://kscorn.com/lesson-library/>
- ***Breakout Box Challenge:*** Challenge your students to learn more about corn using a breakout box. A breakout box challenge is available for each grade level, K-5 and is a great way to also assess learning. Challenges are available online or for physical breakout boxes. Check out the challenges at <https://kscorn.com/topic/breakout-box/>
- ***Guest Speaker:*** Request a guest speaker to visit the classroom and expand learning about ethanol and corn. <https://kscorn.com/guestspeaker/>