

# Water changes

MY  
WORLD



**Bobbie Kalman**



# Crabtree Publishing Company

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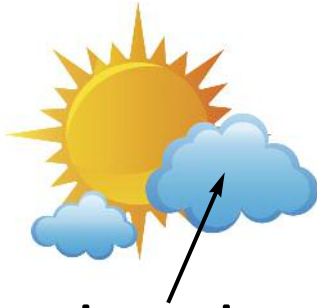
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# Words to know



cloud



ice  
freezes (solid)



liquid



mist



ocean



rain



snow



vapor



water  
cycle

If you look at Earth,  
you will see that  
most of it is blue.  
The blue parts  
are water.  
Most of the water  
on Earth  
is in **oceans.**





Oceans are huge areas of water.  
Name two oceans.

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The water on Earth changes.  
It changes when it gets warmer.  
It changes when it gets colder.  
Water can be **liquid, solid, or vapor.**

water vapor



Liquid water is the water you drink.  
You can swim in it and wash with it.  
This girl is swimming in liquid water.

liquid water

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ice

When water gets very cold, it freezes into ice or snow.

Ice is solid water.  
It is cold and hard.



ice



Snow is solid water, too,  
but it is not as hard as ice.  
You can make a snowman with it.

snow



snowman

When water is heated by the sun, it becomes water vapor.

Water vapor is all around you, even if you cannot see it.





A large waterfall cascades down a rocky ledge, creating a thick mist. A vibrant rainbow arches across the sky on the right side of the waterfall. In the foreground, a white boat with a green stripe and a red flag is filled with people, navigating the turbulent, greenish water at the base of the falls.

Sometimes you can see  
water vapor in the air.  
It is called **mist**.

mist

The wind takes water vapor  
high into the sky.

It is colder high in the sky.

The vapor cools and  
forms **clouds**.

clouds







Water falls from the clouds as **rain**.  
Rain is liquid water.  
What falls from clouds in winter?

Water is always changing.  
It moves up to the sky.  
It falls back down to Earth.  
Water moving up to the sky  
and back down to Earth  
is called the **water cycle**.

Water is heated by the sun  
and becomes water vapor.



cloud



Water falls from the clouds as rain or snow.

Water vapor moves up to the sky and forms clouds.



rain snow

Snow melts and becomes liquid water.

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## Notes for adults

### Objective

- to have children share how they feel about different water experiences
- to introduce children to the concept of how water changes and becomes part of the water cycle

### Before reading

Ask the children:

“Who likes to swim? When do you swim?”

“Who likes to play in puddles? When can you play in puddles?”

“Who likes to make snowmen? When can you make snowmen?”

“When is it difficult to see far outside?”

(When there is fog or mist.)

Bring in different forms of water—ice, warm water, cold water, vapor from a boiling kettle of water, and snow. (You can use cotton balls to make snow. Try adding a little water so it looks more like snow.)

Ask the children how each one looks and feels. Try to elicit words such as freezing, hot, misty or foggy, cold, and lukewarm.

### Questions after reading the book

“How does water change?”

“When is water a liquid?”

“What can you do in or with liquid water?”

“What are oceans? Can you name two?”

“When is water a solid?”

“What do you do when it rains?”

“What do you like to do when it snows?”

“When does water turn to ice?”

“What would happen if you put a snowball into the freezer?”

### Activity

Make some popsicles with the children. Pour juice or flavored water into ice-cube trays and freeze overnight. Ask the children what solid water feels like in their mouths. (cold, hard) Bring in a kettle and let it boil. How does water vapor look? Ask the children to think of words to describe the vapor. Ask them where they can find vapor in their homes (after a hot shower) or outdoors (mist and fog).

### Extension

With the help of the children, make up a song about the water cycle. Sing it to the tune of “I’m a Little Teapot.”

The water is in oceans. They are huge.

When the Earth heats up, they do, too.

The water becomes vapor and rises high, forming clouds up in the sky.

The water falls down as rain or snow.

I put on my raincoat when rain starts to flow.

When the water falls down and there is snow, I get my toboggan and down a hill I go!

*For teacher’s guide, go to [www.crabtreebooks.com/teachersguides](http://www.crabtreebooks.com/teachersguides)*



# Bobbie Kalman's Leveled Readers



## Level A

A bath  
At school  
I can count  
I eat a rainbow  
It looks like a dog  
My toys  
    have shapes  
What is it?  
Who am I?

## Level E

Are you like me?  
Hip-hop dancers  
Night animals  
This is my family  
This is my home  
**Water changes**  
What are my jobs?  
What is hatching?

## Level B

Arms and legs,  
    fingers and toes  
I have feelings  
I like riding  
I like to play  
It is my birthday  
My dog likes me  
My funny cat  
What do I see?

## Level F

Body talk  
How do plants help us?  
Reptile rap  
Rodent rap  
These are my friends  
What do I need?  
What is it made from?  
Where am I?

## Level C

Baby animal names  
Can it fly?  
Farm animals  
I am growing  
    and changing  
I can do it!  
The clothes I wear  
When I am happy  
Which season is it?

## Level G

Animals move like this  
Helpers in my community  
My family community  
My school community  
Places in my community  
What are dinosaurs?  
What is an ocean?  
Where does our food come from?

## Level D

Animal mothers  
How are they the same?  
I move like this  
My big and  
    small pets  
My healthy body  
My senses help me  
Santa Claus  
Today is a great day!

## Level H

An animal community  
How do animals change?  
How do animals hide?  
My backyard community  
My community long ago  
My culture  
What is a food chain?  
Where do animals live?

