

# WATER CONSERVATION LESSON PLAN AT A GLANCE

## THE BLUE PLANET: BEACH BALL

10 MINS

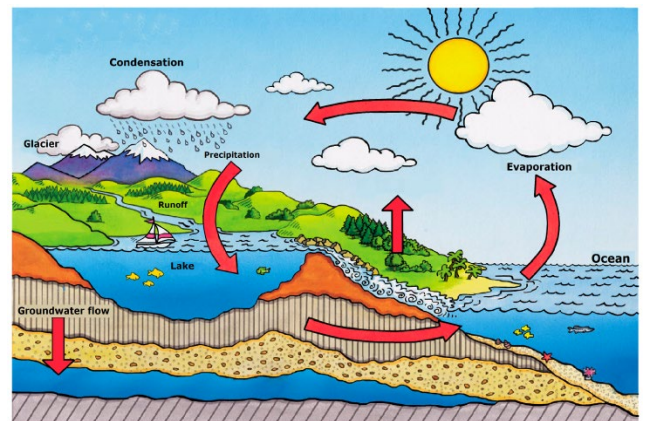
- Pass beach ball across the room **20** times. Students share where their right thumb landed - on land or on water. Keep a tally on the board.
- Ask if the land is brown or green (sub-tally); If water: ice, ocean, or other (sub-tally).
- Estimate the percentage of the planet that is covered in water (70%).
- Discuss results and introduce the concept that most of our water is located in the oceans, followed by ice caps (glaciers), and then lakes, rivers, and streams.



## THE INCREDIBLE JOURNEY: SPINNERS AND POSTER

15 MINS

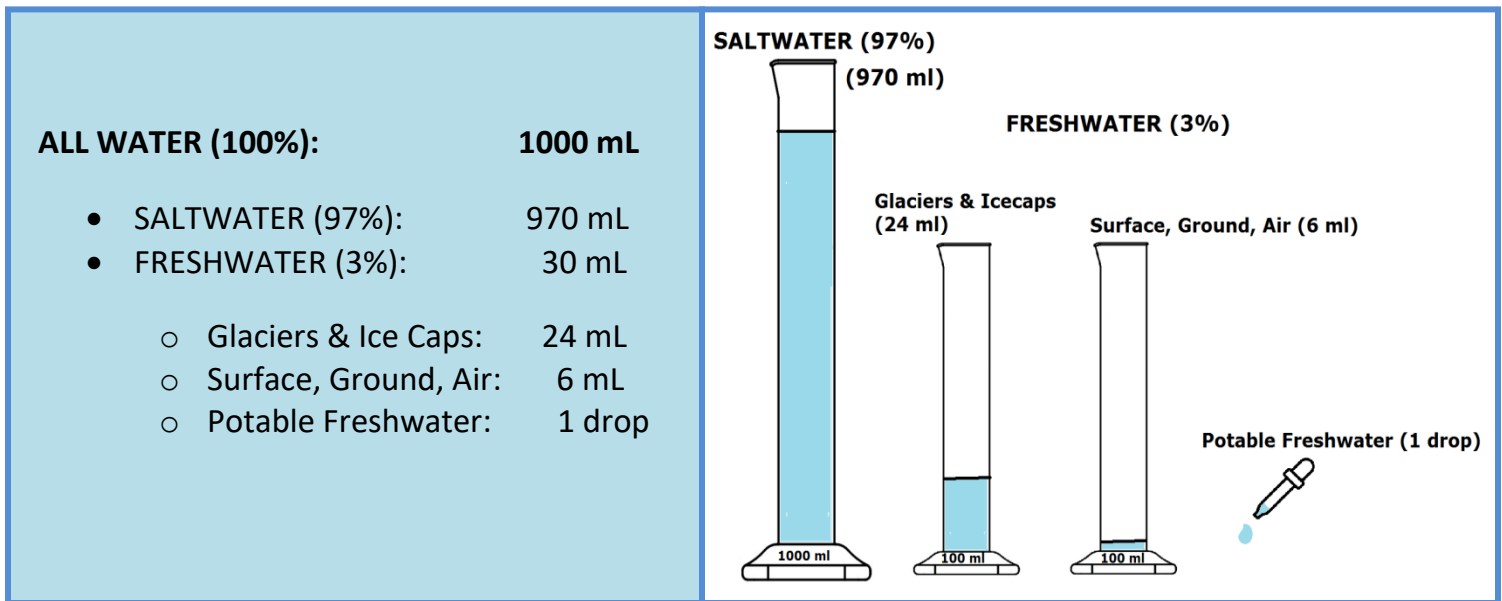
- Students share their ideas about the different places water can be found (ocean, lakes, streams, glaciers, clouds, underground/soil, plants, and animals): Imagine a drop of water on an “incredible journey”.
- Pass out spinners. Have one student randomly select card from stack for starting point. Draw an X on the poster for the start.
- Student with corresponding spinner will spin to determine next move. Place X at next stop in the journey and then trace journey on the water cycle poster.
- After a student has spun once, have them pass the spinner to the student next to or behind them. Continue for 10 spins.
- Repeat for one or two more journeys with a new starting point.
- Discuss observations about the different journeys (get stuck in ocean or glacier?) and how that relates to how much water we find in different places around the planet.



## A DROP IN THE BUCKET: GRADUATED CYLINDERS AND WATER

5 MINS

- Use the graduated cylinders to demonstrate the distribution of water on earth



## MY WATER FOOTPRINT: GALLON JUG, WORKSHEET, PLEDGE

15 MINS

- Students share ways they used water today (write on board).
  - How many brushed teeth? Washed face? Flushed the toilet? etc.
- Fill out example worksheet and discuss how you might reduce water use.
  - Example: Bathroom 4 times (morning, lunch, afterschool, before bed); bathroom also means handwashing 4 times, plus a couple more before meals.*
- Water Conservation Pledge, explain competition and field trip.

Water Use Activity	Number of Times in One Day		Amount of Water Used Each Time		Total Water Used*
Brushing Teeth (30 sec)	<b>2</b>	X	1 gallon	=	
Washing Hands (30 sec)	<b>6</b>	X	1 gallon	=	
Flushing a Toilet	<b>4</b>	X	2 gallons	=	
Taking a Shower (8 min)	<b>1</b>	X	16 gallons	=	
Taking a Bath		X	70 gallons	=	
<b>Total =</b>					