

The Water Cycle Game

TIME: 20 Minutes

SUPPLIES NEEDED: Crayons, 9 water dice and pictures, water score cards

SETUP: Use tape to put up the 9 cards : Clouds, Ocean, plants, animals, soil, groundwater, rivers, lakes and glaciers. Tape up the cards around an open area. Each card has a color with it (Pink for clouds, red for lake, etc), Match the dice to the cards and place the dice below the card.

SAY

Good Morning everyone, *INTRODUCE YOURSELF AND IF THEY HAVE ALREADY BEEN TO A STATION, AS THEM WHAT THEY HAVE LEARNED SO FAR.* Today, we are going to talk about the incredible journey that water takes in the Water Cycle. What exactly is the water cycle? *Allow the kids to answer.* That's right, the water cycle is the process of how water travels through our world.

The water cycle starts with surface water like oceans, lakes or rivers. The Sun heats up the water until it **EVAPORATES**. This evaporation, also called **WATER VAPOR**, rises into the sky! As the vapor goes up, it runs into tiny specks of dust, dirt and pollen. That water vapor begins to stick to the tiny dust particles. As it gets higher into our atmosphere, it gets much colder. That water vapor cools down and **CONDENSATION** starts to make our clouds! How much water do you think is in a cloud? There is a **LOT!** Have you ever held a gallon of water or milk? Is it very heavy? *Allow for kids to respond.* Just one might not be very heavy, but just think what thousands and thousands of gallons feels like! Eventually, it gets too heavy for the cloud and falls back down as rain or **PRECIPITATION!**

That's basically how the water cycle works! So today, we are going to play a game and I want you to think of yourself as a **SINGLE DROP OF WATER!** So first everyone stand up and look around with me. I have each of the nine places in nature where water normally exists! *Show them where the 9 signs are taped up and go tell them the name of each one.* Now I want you to pick a partner (If there is an odd number, you can have one group of three). Each team will get one of these cards and a crayon. This card had pictures of the nine places where water exists, the same nine places we have taped up around here!

At each of the stations, you will see a big dice! This big dice has pictures on it that will tell you where to go! SO let's say you start out at the clouds. You will pick up the dice, roll it and go where it tells you! If you roll the **OCEAN**, you will go to the ocean. If you roll the **SOIL**, go to the soil. You will use your crayon to make a tally mark next to the location you go to on your card! You may visit the same place many times! That's **OKAY**, just make a tally mark **EACH TIME YOU VISIT EACH STATION.**

Now, If more than one team is at a station, the teams will need to take turns rolling the die. Whoever is there first, rolls first, then moves to the back of the line; then the next team will roll!

A couple of other rules as well! Don't throw the dice into the air, because it can poke out someone's eye, and try to keep the dice near its station!

So in a moment, each team will go to a different station, and when I say go, you will roll the dice. Keep rolling and going until I tell you stop. On your mark, get set and go!

SINCE THIS IS A 20 MINUTE PRESENTATION, GIVE THEM UNTIL THERE ARE AROUND 4-5 MINUTES LEFT BEFORE THEY NEED TO MOVE ON TO THE NEXT STATION.

THEY WILL RUN AROUND AND CHECK THEIR CARDS, THEN WHEN THEY ARE DONE, HAVE THEM COME BACK AND SIT DOWN!

Alright, Who got stuck at the ocean for the longest time. *Allow for them to answer.* Why do think that is? Well its because the ocean is the biggest body of water. If you are a single drop of water and you are falling back down as rain, since 70% of the earth is covered in oceans, there is a good chance you might fall back down in the ocean!

Why do you think everyone kept going back to the clouds? Well water evaporates from everything; animals, lakes, plants, the ocean, everywhere! That's why!

Does anyone have any questions?