

Water Cycle

Die or Spinner Choices

Teacher Worksheet

When you make a die or spinner for each stage of the water cycle, there are only certain ways water can move from that stage to another stage. Those choices are based on the most likely ways water moves in the water cycle. For example, the only way water leaves the ocean is through evaporation into clouds. Water remains in the ocean for a substantial amount of time. Therefore in this game, evaporation to clouds is the only way out of the ocean. In real life, ocean animals would uptake some water through the food chain and eventually some would travel to land animals, like humans. However, water transported from the ocean in that pathway is so small as to not be represented in this game. Make sure you base your game on these choices, or the children will not get the real sense of how the water cycle really works.

Color code the die, so they are easier to lay out when preparing the game.

Water Cycle Stage	# of Sides	Title
Soil	1	Water is absorbed by PLANT roots.
	1	Soil is saturated; water runs off into a RIVER.
	1	Water is pulled by gravity; it filters into the SOIL.
	2	Water evaporates and forms a CLOUD.
	1	Water remains in a puddle; it stays at SOIL.
Plant	4	Water leaves plant through transpiration. Goes up into CLOUD.
	2	Water is used by plant and stays in PLANT cells.
River	1	Water flows into a LAKE.
	1	Water flows into the OCEAN.
	1	An ANIMAL drinks water.
	1	Water evaporates and goes to the CLOUDS.
	1	Water remains in the current of the RIVER.
	1	Water is pulled into GROUND-WATER.

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Teacher Worksheet (continued)

Clouds	1 1 1 2 1	Water condenses and falls on SOIL. Water condenses and falls as snow onto a GLACIER. Water condenses and falls into a LAKE. Water condenses and falls into the OCEAN. Water remains as a water droplet in the CLOUD.
Ocean	2 4	Water evaporates and goes to CLOUDS. Water remains in OCEAN.
Lake	1 1 1 1 2	Water seeps into GROUNDWATER. An ANIMAL drinks water. Water flows into a RIVER. Water evaporates and goes into CLOUDS Water remains in LAKE.
Animal	2 3 1	Water is excreted through feces and urine. Water goes to SOIL. Water is respired or evaporated from body. Water goes to CLOUDS. Water stays in the cells of the ANIMAL.
Ground Water	1 2 3	Water filters into a RIVER. Water filters into a LAKE. Water stays underground in GROUND-WATER.
Glacier	1 1 1 3	Ice melts and water filters into GROUND-WATER. Ice evaporates and water goes into CLOUDS. Ice melts and water flows into a RIVER. Ice stays frozen in the GLACIER.