Water Cycle Journey Game

EQUIPMENT

- Game sheets
- 10 x six sided dice
- Pencils
- Worksheets
- Clipboards

(Can either be played inside or outside)

Lesson Plan

Although you may have filled your bottle with fresh water, have you ever stopped to think about how that water has actually been on Earth for perhaps as long as our planet has existed? You also may be familiar with the basic water cycle consisting of evaporation, condensation and precipitation, but just how many different places can water can travel and be stored during this process?

AIM OF ACTIVITY:

For students to further broaden their understanding of the water cycle by taking a more in-depth look at where a water molecule can travel.

PREPARATION:

- Print and preferably laminate one set of game sheets.
- Set up stations by spreading the game sheets out around the playing area, placing a die with each sheet.
- Split students into pairs, giving a clip board, pencil, worksheet to each pair.
- (If needing a lesson introduction, there are many examples of the water cycle available online that could be viewed and discussed by the class.)

ACTIVITY OUTLINE:

- Students are to imagine that they are following the path of the water molecule and begin by picking a station to start at.
- Roll the die and move to the station that they roll, e.g. by rolling a four this may mean that they need to move to the River station etc. (If rolling a number that corresponds with stay, continue rolling until moving to a new station).
- Students to record where their water molecule travels by writing the names of the each station they visit on their worksheet as they move around.
- Discuss findings once finished, e.g. a water droplet can move to lots of different places and on the other hand stay in one place

Water Cycle Journey Worksheet

GOULBURN VALLEY WATER

Name: _____

	Record the location of the water molecule (ocean, plant, cloud etc). If you roll 'Stay', record the location that you are staying at.
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SOIL



1	**Plant**	Water is used by a plant
2	**River**	The water runs into the river.
3	**Groundwater**	Water moves down through the soil
4	**Clouds**	The sun comes out, water evaporates to the clouds
5	**Clouds**	The sun comes out, water evaporates to the clouds
6	**STAY**	Water stays in the soil

PLANT



1	**Clouds**	The sun comes out, water evaporates to the clouds
2	**Clouds**	The sun comes out, water evaporates to the clouds
3	**Clouds**	The sun comes out, water evaporates to the clouds
4	**Animal**	An animal eats the plant
5	**STAY**	Water stays in the plant
6	**STAY**	Water stays in the plant

RIVER



1	**Groundwater**	Water moves underground
2	**Ocean**	Water flows into the ocean.
3	**Animal**	An animal drinks the water
4	**Clouds**	The sun comes out, water evaporates to the clouds
5	**STAY**	Water stays in the river
6	**STAY**	Water stays in the river

CLOUDS



1	Soil	Water falls on soil as rain
2	Snow	Water falls as snow
3	River	Water falls into the river as rain
4	Ocean	Water falls into the ocean as rain
5	Ocean	Water falls into the ocean as rain
6	STAY	Water stays in the clouds

OCEAN



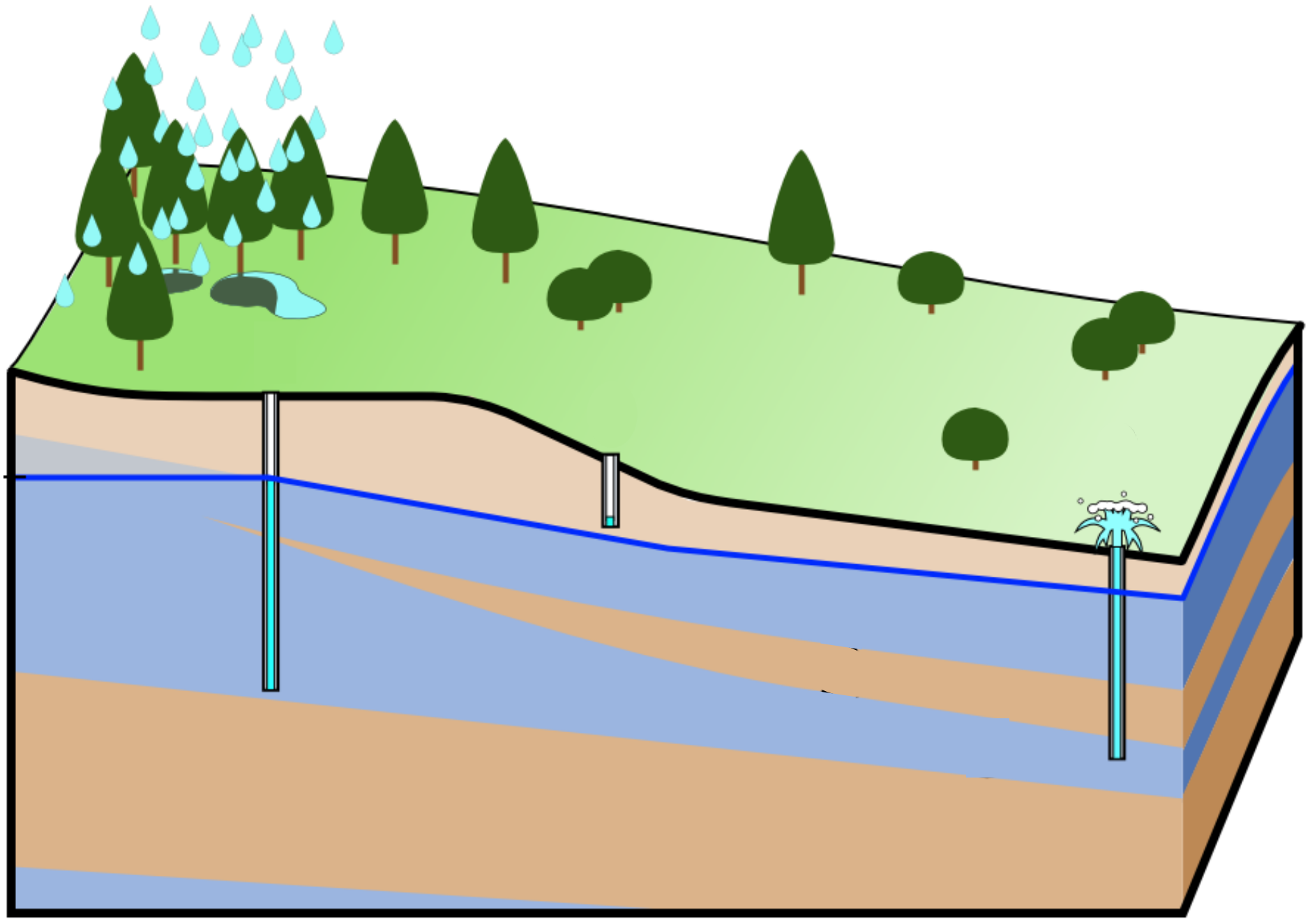
1	**Clouds**	The sun comes out, water evaporates to the clouds
2	**Clouds**	The sun comes out, water evaporates to the clouds
3	**STAY**	Water stays in the ocean
4	**STAY**	Water stays in the ocean
5	**STAY**	Water stays in the ocean
6	**STAY**	Water stays in the ocean

ANIMALS



1	**Soil**	Water falls on the soil as wee
2	**Soil**	Water falls on the soil as wee
3	**Clouds**	Water evaporates from the animals breath or sweat
4	**Clouds**	Water evaporates from the animals breath or sweat
5	**Clouds**	Water evaporates from the animals breath or sweat
6	**STAY**	Water stays in the animal's body.

GROUNDWATER



1	River	Water filters into a river
2	Ocean	Water filters into the ocean
3	Ocean	Water filters into the ocean
4	STAY	Water stays underground
5	STAY	Water stays underground
6	STAY	Water stays underground

SNOW & ICE



1	**Groundwater**	Ice melts and water moves underground
2	**Groundwater**	Ice melts and water moves underground
3	**Clouds**	Ice melts, water evaporates and goes to the clouds
4	**River**	Ice melts and water flows into a river
5	**River**	Ice melts and water flows into a river
6	**STAY**	Snow stays on mountain