



AQUARION
Water Company

Water Bingo

Objective:

The purpose of this *Water Bingo* game is to provide the teacher with a tool to reinforce water conservation and water source protection lessons.

Directions:

Grade levels K to 8 can use this game. Depending on the grade level answer sheets will vary.

Give an answer sheet to each student and have them cut out the answers and arrange them on the bingo board in any order of their choosing. Have the students arrange around the Aquarion Water Company Logo (the Free Space Box), all the pictures or words (dependent on grade level answer sheet).

Give each student a sheet of Water Markers (25 gallons of water) to cut and to use on each square that they have answers for the questions asked.

Once the children have their sheets set up the game can begin.



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Directions Continued:

Use the straight-line (vertical, horizontal or diagonal) pattern for the grades K to 4. The grades 5 through 8 can use a more complicated pattern of the teacher's choosing.

Start to ask the questions as listed on the teacher sheets that correspond to the answer sheets the students have been given.

As you ask the questions you can have the students look for the answers on their BINGO sheets to test previous knowledge.

Variation:

Give the students the answers and have them research each term or phrase as individuals or in small groups.

This can be accomplished by using items such as a glossary with the terms (see attached), using web sites (see attached list of websites).

Once the students have had time to research the phrases and terms then play BINGO as described above.




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Directions Continued:

The first student to get Bingo is the winner. You can continue the game using different patterns or until all the questions have all been asked.

The students can then have their name put on a Water Wise Award (see award blank enclosed). This can be repeated until all the children get their names on an award. The teacher can vary the order of the questions. Have the students vary the order of their sheets or you can have the winners ask the questions while the others play.

This can also be done in small groups having each student take turns being the person asking the questions.

W	A	T	E	R
B	I	N	G	O
				














Blank Game Board

Answer Sheet: Grade 4 to Grade 8

Water Cycle	Wetlands	Aquifer	Ice	Evaporation
Raw Water	Dollars	Filtration	Condensation	Watershed
Transpiration	Water Conservation	 AQUARION Water Company	H ₂ O	Precipitation
Surface Water	Ground Water	Erosion	Drought	Fix Faucets
Fresh Water	Pollution	Run Off	Water Vapor	Riparian Area

Cut each block out and paste to blank Bingo board in any order

Answer Sheet: Grade K to Grade 3

	Use Water Wisely			Low Flow Fixtures
	\$		All Living Things	Student Name: _____ _____
	Water Conservation		H ₂ O	
	Ground Water		Drought	
Fresh Water		Shorter Showers		SAVE WATER

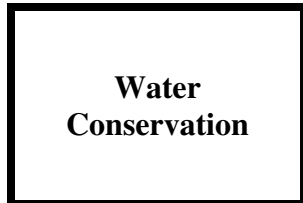
Cut each block out and paste to blank Bingo board in any order



1) Which picture shows a man making sure his clothes washer is full before running it to save water?



2) Which two words has the same meaning as Water Saving?



3) Which lady is not saving water because her bathtub is filled to the very top?



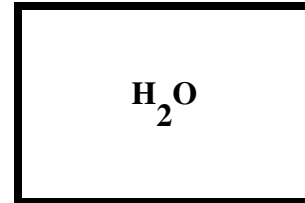
4) What water is found in the ground?



5) Which water has no salt in it?



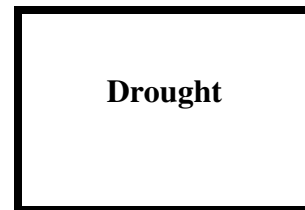
6) Water has another name, what is it?



7) Precipitation is rain, snow, sleet or hail, which picture shows rain precipitation?



8) What do we call it when we do not have enough rain for a long time?



9) What needs water to live?



10) Which lady is fixing her leaky pipes so she will start saving water?



11) When you conserve water you do what?

SAVE WATER

12) When water gets wasted your parents are also wasting what?

\$

13) Which lady is being a water saver because she turns the faucet off while washing the dishes?



14) Which lady is filling the dish washing machine so she does not use a lot of water on only a few of dishes?



15) When taking a shower do you take a long shower or do you take shorter showers and save water?

Shorter Showers

16) Which picture shows what you can do instead of using your water hose to give your plants a drink?



17) What picture shows reminds you that you should not use a toilet as a wastebasket?



18) Which picture shows containers you can use to keep water cold in the refrigerator instead of running the water at the tap?



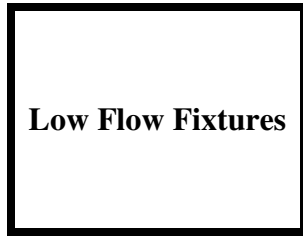
19) Fill in your name in the Box marked Student Name:

Student Name:

20) What phrase tells you how to use water?

Use Water Wisely

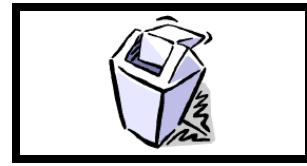
21) What kind of fixture should you put in your home to reduce water use?



22) Which picture reminds you not to take long showers?



23) Which picture shows you where to put your garbage instead of using a toilet?



24) Which picture shows reminds you to shut the water off while brushing your teeth?





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WATER BINGO GAME GLOSSARY/ANSWER SHEET Grades 4 to 8

Aquifer: What is a natural underground reservoir of water?

An aquifer is a natural underground reservoir of water. Gravel and rocks with high porosity can hold large volumes of water. Aquifers underlie many parts of the earth's surface.

Condensation: What is the opposite of evaporation when water turns back into a liquid?

Condensation is the process by which a vapor becomes a liquid; the opposite of evaporation.

Dollars: What do you spend when you do not fix a leak?

A leaky faucet causes more water to be consumed and you therefore are letting your money (dollars) go down the drain as well as the water.

Drought: What is an extended period with little or no precipitation?

A drought is an extended period with little or no precipitation; often affects crop production and availability of water supplies.

Erosion: What is the wearing-down or washing away of the soil and land surface by the action of water, wind, or ice?

Erosion is the wearing-down or washing away of the soil and land surface by the action of water, wind, or ice.

Evaporation: What is the process by which the liquid form of water is turned into a gas and returns to the atmosphere?

Evaporation is the process by which the liquid form of water is turned into a gas and returns to the atmosphere? Water evaporates from all bodies of water or any wet surface when the air is warmer than the water.

Filtration: What must happen to raw water to make is safe and clean to drink?

Filtration is the process of filtering or passing water through an apparatus containing a filter medium (such as sand).

Fix Faucets: What is a way to save water and stop the dripping?

Have faucet leaks repaired, as a steady one-eighth-inch diameter drip can waste more than 20 gallons a day.

Fresh Water: What kind of water has none to little salt in it?

Fresh water is **water** with less than 0.5 parts per thousand dissolved salts.

Groundwater: What water is not visible on the surface of the Earth?

Groundwater is water that has been absorbed into the soil and is contained in rock pores, cracks and crevices in rock formations, sand, gravel and other porous materials. Aquifers are one kind of groundwater. Water from wells or springs are ways of tapping groundwater.

H₂O: What is the molecular (science) name for water? H₂O (Water) an odorless, tasteless, colorless liquid made up of a combination of two hydrogen and one oxygen molecules. Water forms streams, lakes and seas, and is a major constituent of all living matter.

Ice: What is frozen waters or water in its solid state called?

Ice is frozen water or water in its solid state; molecules move apart (compared to their close association in cold water) to form a latticework of hydrogen-bonded molecules, molecules vibrate in their fixed position.

Pollution: What is it called when contamination of an environment happens especially with man-made waste?

Pollution is an alteration in the character or quality of the environment or any of its components that renders it less suited for certain uses. The alteration of the physical, chemical, or biological properties of water by the introduction of any substances that renders the water harmful to use.

Precipitation: What is water called that falls on land in the form of rain, snow, sleet or hail?

Precipitation is water vapor that condenses into clouds and falls on the land and water in the form of rain, snow, hail or sleet. Eighty-five percent of all precipitation falls into the ocean.

Raw Water: What is water called in its most natural state – not purified?

Raw water is H₂O (water) being in or nearly in the natural state: not processed or purified, not diluted or blended form

Riparian areas: land areas directly influenced by a body of water; usually visible vegetation or other physical characteristics showing this water influence. Stream banks, lake borders, and marshes are typical riparian areas.

Runoff: What is the portion of precipitation (water) on land that ultimately reaches streams often with dissolved or suspended material in it?

Runoff is the amount of precipitation that falls on a body of land that runs off rather than soaking into the land. Runoff causes erosion and carries fertilizers, pesticides and other pollutants from the land into streams.

Surface Water: What is any water not ground water called?

Surface water is water above the surface of the land, including lakes, rivers, streams, ponds, flood water, and runoff.

Transpiration: What is the part of the Water Cycle when water travels from the roots of the plants and trees to and through the pores of the leaves?

Transpiration is the process by which water absorbed by plants (usually through the roots) is evaporated into the atmosphere from the plant surface (principally from the leaves).

Water Conservation: By practicing this how can everyone save water?

Water Conservation is the use of water-saving methods to reduce the amount of water needed for homes, lawns, farming and industry, and thus increasing water supplies for optimum long-term economic and social benefits.

Water Cycle: What cycle has Precipitation, Evaporation, and Condensation as important parts of it?

The Water cycle is when the paths water takes through its various states – vapor, liquid, and solid – as it moves throughout Earth’s systems (oceans, atmosphere, groundwater, streams, etc.) Also known as the hydrologic cycle. These parts of the Water Cycle are best known as Precipitation, Evaporation, and Condensation.

Water Vapor: What is the gaseous state of water called?

The gas states of water in which individual molecules are highly energized and move about freely.

Watershed: What is the area of land which boundaries form a type of divide allowing drainage ultimately into a particular body of water?

A watershed is where water runs off filling the land area from which surface runoff drains into a stream channel, lake, reservoir, or other body of water; also called a drainage basin.

Wetlands: What land or areas is called that contains so much soil moisture that it dictates the type of plant and wild life?

Wetlands are lands where water saturation is the dominant factor determining the nature of soil development and the types of plant and animal communities. Other common names for wetlands are sloughs, ponds, and marshes.

Markers for Bingo Game

Water for Life !	Water for Life !	Water for Life !	Water for Life !	Water for Life !
Water for Life !	Water for Life !	Water for Life !	Water for Life !	Water for Life !
Water for Life !	Water for Life !	Water for Life !	Water for Life !	Water for Life !
Water for Life !	Water for Life !	Water for Life !	Water for Life !	Water for Life !
Water for Life !	Water for Life !	Water for Life !	Water for Life !	Water for Life !