

To print the "Cool Watery Facts!!" card game

It is recommended that you use cardstock when printing this game

Print the instructions out, you only need one copy (page 2 is the instructions)

Print pages 3 to 8

Put pages 3 to 8 back in the printer so that you will now print on the back side of the pages

Print six copies of page 9

Cut out your cards

You should have 44 cards total

How to Play Cool Watery Facts!!

POINT OF THE GAME: To learn about water related problems and how you can personally fix them..

HOW TO END THE GAME: The winner is the first to reach 15 points (or a different point total of your choosing).

- 1 Deal five cards to every player. The rest makes up a pile in the middle. This game is easily played like “Go Fish” but this is more of a teamwork game.
- 2 The first player picks up a card from the pile in the middle and reads it out loud. It will either be a problem or solution related to water.
- 3 If someone has the matching card (the problem for the solution OR the solution for the problem) they can give that card to the player whose turn it is.
- 4 The player that received a card as a match gets 2 points and the player giving the card gets 3 points. Write down points earned on a separate piece of paper.
- 5 If someone gets a match, all the players should agree that that is the answer. (After the players have agreed, check the numbers in the bottom corner of the card. The numbers, not the letters, should match. S is for solution, P is for problem.)
- 6 If the player can't find someone else who will give him the matching card then they put the card in their hand. It becomes one of their own.
- 7 Play continues with the next player drawing a card. If you run out of cards in the drawing pile, continue playing by using the cards already in the player's hands.
- 8 If at any point a player is holding a match in his/her hand, the player should wait until it is their turn and then read both the problem and solution to the group. The player receives 2 points for having the match and can now continue their turn by drawing a card from the pile and asking others if they have the match.
- 9 Continue playing until someone reaches 15 points (or an amount of your choosing).

Problem:
Asian carp are traveling farther and farther upstream! They eat all the plants which takes away the food for the animals that actually live there.

P1

Solution:
When fishing, if you catch an Asian carp do not throw it back in the water.

S1

Problem:
Food scraps get dumped down the drain and the sewer. They can end up clogging either one!

P2

Solution:
Either compost your food scraps or feed it to pigs or chickens!

S2

Problem:
If you flush anything down the toilet (including flushable wipes) they can clog your toilet, sewer pipes, sewer filters, etc. Then the sewer employees need to clean them out.

P3

Solution:
Never ever flush anything other than toilet paper! Flushable wipes are not actually flushable!!!!

S3

Problem:
Grease! People should NOT dump grease down the drain. A 12 inch diameter pipe that water flows through can be restricted to 4 inches in under one year due to grease in the pipe.

P4

Solution:
Restaurants should use grease filters.
Homeowners can use paper towels to help take much of the grease off the top of liquids, like soup, before dumping them down the drain. The grease should be put in the trash.

S4

Problem:
The city I live in has a watering ban and I can only water my grass every other day, but my grass is drying up!

S5

Solution:
On the days you can water your grass, water it in the morning. If you water your grass in the middle of the day, 25% or more will evaporate and the grass can burn too!

S5

Problem:
You are running late to your soccer game and you just remembered to pack a water bottle. You grab a disposable plastic water bottle and run out.

P6

Solution:
Plan ahead & bring a water bottle from home. Try not to buy disposable water bottles. It's cheaper and better for the environment.

Fact: In 2017, it cost the Maple Grove Water Treatment Plant about \$1.19 to make 10,000 gallons of drinking water.

S6

Problem:
Oh NO!! A water main breaks in your city!! Your water starts to look weird and dirty. What are you going to do?!

Definition of water main: Water mains are pipes that bring water to your house.

P7

Solution:
Boil your water before using it. Since the water main broke, contaminants can get in your water on the way to your house after your water is cleaned.

Definition of water main: Water mains are pipes that bring water to your house.

S7

Problem:
The water coming into your house looks dirty, so you think there is something wrong with the water in your house, but your city says that the water is fine.

P8

Solution:
Have your own water tested. The city tests the water frequently, but you could have a break in your own home pipe and contaminants could be getting into your water.

S8

Problem:
Your city has hard water and you don't like it! You think they should soften it since they are already making it safe to drink.

S9

Solution:
You should buy your own water softener. It would be very expensive for the cities to soften all the water so they have chosen to leave it up to homeowners. Besides, not all water needs to be softened.

P9

Problem:
Zebra Mussels have attached to your boat and trailer.

P10

Solutions:
After taking your boat out of the water stop & thoroughly look at your boat and trailer for any invasive species, especially zebra mussels. Remove them before leaving the area. It is illegal to drive anywhere without removing them first.

S10

Problem:
There is garbage in lakes and rivers. Garbage left laying outside can be washed into the rivers and lakes when it rains. Garbage travels with the rainwater down the sewer drains.

P11

Solution:
You should throw your garbage away and don't leave it on the ground.

S11

Problem:
The lakes, rivers, and/or ponds have high nitrate and phosphate levels and the plants and fish are dying.

P12

Solution:
Use less nitrates and phosphates on your grass and gardens so that when it rains it doesn't travel with the water into the lakes, ponds, and rivers.

Fact: The nitrates and phosphates help the algae grow, but when the algae dies, a source of oxygen is removed from the water.

S12

Problem:
There is no good place for my gutters to drain water too and I get a small pond of water by my gutter. What could I do to help that?

P13

Solution:
Cut your gutter shorter and put a rain barrel to catch water underneath. You could save water and then use it to water your garden.

Definition of rain barrel:
A big barrel that catches the water that runs off the roof.

S13

Problem:
My mom has leftover medicine and she doesn't know how to get rid of it.

P14

Solution:
Do NOT dump it down the drain or toilet. Buy a drug deactivation and disposal bag. Some cities even give them away for free!

S14

Problem:
Standing water breeds mosquitoes, but some plants need standing water to grow.

P15

Solution:
Put a layer of oil over the standing water the plant is growing in. It keeps the mosquitos from getting in and the plant does just fine.

S15

Problem:
There is a spot in our yard where water collects during spring thaws and heavy rain periods. Sadly, we are unable to grow grass or have a vegetable garden there and unwanted weeds are taking over!!

P16

Solution:
Create a rain garden!
Some plants and shrub roots can handle both wet and dry seasons, they help the run-off water drain into the ground.

Definition of run-off water: Any water that falls on a hard surface like the sidewalk or street & runs downhill into a river, lake, or pond.

S16

Problem:
The rainwater from our house gutter washes away our wood mulch. It creates a small pond by our gutters.

P17

Solution:
Cut your gutter shorter and put a rain barrel underneath. You can use the water to water your garden or grass. Then it won't wash away our wood mulch

Definition of rain barrel:
A barrel that catches the water that runs off the roof.
Definition of run-off water: Any water that falls on a hard surface like the sidewalk or street & runs into a river, lake, or pond.

S17

Problem:
You want to go swimming at your cabin but the pond has high e-coli levels due to goose poop.

P18

Solution:
You can buy something that sprays water at the geese to scare them away.

Definition of e-coli:
E-coli is a very bad bacteria found in animal waste.

S18

Problem:
The Mississippi river carries approximately 159 million tons of sediment a year.

P19

Solution:
Keep the road gutters clean. One way you can do this is by keeping the grass clippings that come off your lawn out of the street by blowing them onto the lawn.

Definition of sediment:
Little particles of soil, gravel.

S19

Problem:
Rain carries pesticides and manure to the lake contaminating it. Sometimes we get sick after swimming in the lake after it rains.

P20

Solution:
Wait until the lake's natural filtration system removes most of these in 1-2 days.

Definition of Pesticide:
A mix of chemicals, fertilizers, and manure.

S20

Problem:
People drinking the water
at our house get
stomachaches but we had
our water tested when we
moved here five years ago.

P21

Solution:
It is recommended to have
your well water tested
every year to make sure
that it doesn't have
nitrates, coliform, and any
other local contaminants.

S21

Problem:
Snowplows and people
spread salt on the roads and
sidewalks. Salt is bad for
the lakes.

P22

Solution:
Salt, magnesium chloride,
sand, etc. are all harmful to
the environment but
necessary. It is important
to use the least amount for
the right temperature and
job.

S22

Cool Watery Facts!



Jeffrey the Water Drop!

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