

## TEST YOUR KNOWLEDGE

1. \_\_\_\_\_ is any type of manmade source of chemicals or garbage that starts on the land and ends up in the water
  - a. Terrestrial pollution
  - b. Marine pollution
  - c. Air pollution
  - d. Microplastics pollution
2. Which of these is a way that pollution can end up in the water?
  - a. Wind
  - b. Rain
  - c. Storm drains
  - d. All of the above
3. Which of these statements is FALSE about marine debris?
  - a. It will not always get collected and recycled by humans.
  - b. It will break down into smaller pieces.
  - c. Marine debris will always stay in the same place it entered the water.
  - d. It will make its way through the food chain if eaten by an animal.
4. True or False. Marine debris does not affect beaches or boats.
5. \_\_\_\_\_ is a tiny piece of plastic less than 5 mm in length.
  - a. Marine debris
  - b. Runoff
  - c. Macroplastic
  - d. Microplastic
6. Which if these is NOT a source of microplastics?
  - a. Chemicals going down a kitchen sink.
  - b. Larger pieces of plastic breaking down on the beach.
  - c. Microbeads from facewash in a bathroom sink.
  - d. Fibers from clothing in a washing machine.
7. What happens to animals when they are in the water with microplastics for a while?
  - a. Animals avoid the microplastics and only eat their food.
  - b. An animal's stomach gets full from eating microplastics by accident.
  - c. The microplastics give animals the same nutrients as their food.
  - d. The animal has a big enough stomach for both food and microplastics.

8. \_\_\_\_\_ happens when the land can't absorb any more water and the extra water ends up in another body of water
- Marine debris
  - Microplastics
  - Renewable energy
  - Runoff
9. True or False. A river can pick up harmful chemicals and pollution as it travels through a city or farm.
10. What can happen to a water treatment plant if it rains too much?
- Nothing will happen, the water treatment plant can always handle extra water.
  - The water treatment plant turns off so it won't overflow into another body of water.
  - The large containers that hold the water will overflow into another body of water.
  - None of the above.
11. Which of these statements is TRUE about fertilizer getting into a body of water like Long Island Sound?
- Fertilizer is food for algae and can lead to less oxygen for the animals.
  - Fertilizer is the reason that Long Island Sound looks green in color.
  - Fertilizer is food for animals that need it to grow and thrive in Long island Sound.
  - Fertilizer makes the water cleaner in Long Island Sound.
12. Renewable energy \_\_\_\_\_.
- Involves sources of energy that can only be used once, like coal.
  - Uses natural sources of energy that are found all over the earth.
  - Contributes pollution to the air and water.
  - None of the above.
13. Which type of renewable energy uses a large turbine on the land?
- Wind
  - Tidal
  - Solar
  - Geothermal
14. \_\_\_\_\_ panels absorb energy from the \_\_\_\_\_ and use it to make electricity for a house or building.
- Hydroelectric; Sun
  - Solar; Earth
  - Hydropower; Water
  - Solar: Sun

15. Why are tides a great source of energy for a coastal area, like Long Island Sound?
- a. Tides are very strong and rush over a dam to create electricity with a turbine.
  - b. Tidal movement happens every day because tides are controlled by the moon.
  - c. Tides use large wave action to store energy through a tidal panel.
  - d. Tidal water is stored in pipes that get warmed by the earth to warm buildings.
16. True or False. Humans use non-renewable energy because it is often easier to store and more cost effective than renewable energy.
17. \_\_\_\_\_ is when humans work to stop or fix damage to the environment
- a. Water treatment
  - b. Remediation
  - c. Runoff
  - d. Renewable Energy
18. How does kelp help to clean up the water?
- a. It filters microplastics.
  - b. It blocks sunlight from the seafloor.
  - c. It's a food source for animals.
  - d. It takes up extra nitrogen.
19. True or False. Recycling can give life to old materials, making them into something new.
20. Which of these materials cannot be composted?
- a. Sticks
  - b. Plastic bottles
  - c. Grass
  - d. Food
21. True or False. Trash bags allow food waste to break down and go back into the soil at a landfill.