

TEST YOUR KNOWLEDGE ANSWERS

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.