Grade 4 Science Worksheet: Water Pollution_4
(DifficultyLevel: Advance)

Name: _____
Date: _____

Fill in the Blanks:

1. Solar-powered _____ systems are being developed to purify water in regions with limited access to clean water.
2. In wastewater treatment, _____ is used to remove large debris and particles before the water goes through further treatment processes.
3. The use of _____ in water treatment processes can help break down harmful microorganisms and make water safe for consumption.
4. Artificial _____ are designed to help remove pollutants and improve water quality in urban areas.
5. Advanced _____ technologies, such as drones and sensors, are used to detect pollution levels in bodies of water from afar.

True or False:

6. **True or False:** Desalination is the process of removing salt from seawater to make it drinkable, and it can help solve water scarcity issues in polluted regions.
7. **True or False:** Using renewable energy sources like wind and solar power reduces the amount of water pollution caused by power plants.
8. **True or False:** Wastewater treatment processes do not need to address chemical pollution from industries because they are filtered out naturally.
9. **True or False:** Green technologies, such as constructed wetlands, help improve water quality and reduce the cost of water treatment.
10. **True or False:** Technology has made it easier to monitor water pollution and track the spread of contaminants in real-time.

Short Answer Questions:

11. How do technologies like drones and satellites help monitor water pollution?

12. Explain how a constructed wetland works to clean polluted water.

13. Why is it important for cities to invest in water purification technologies, especially in areas with high water pollution levels?

14. How do bioremediation methods help clean up polluted water, and what are some examples?

15. How does the process of filtration in wastewater treatment plants remove pollutants from water?

-Be Champion-