

Grade 4 Science Worksheet: Water Pollution_1

(DifficultyLevel: Advance)

Name: _____

Date: _____

Fill in the Blanks:

1. Water pollution occurs when harmful substances like chemicals, waste, or _____ enter rivers, lakes, and oceans.
 2. When excess nutrients like nitrogen and phosphorus enter a water body, it can lead to a process called _____.
 3. Industrial waste often contains harmful _____ that can pollute water and harm aquatic ecosystems.
 4. The presence of heavy metals such as mercury and lead in water can lead to _____ in fish and other marine animals.
 5. Oil spills create a layer on the water's surface that reduces the _____ available for marine life.
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True or False:

6. **True or False:** Water pollution only affects the water itself, not the land or air.
 7. **True or False:** Eutrophication is caused by excessive levels of nutrients, such as fertilizer runoff, leading to low oxygen levels in water.
 8. **True or False:** Oil spills have no lasting effect on aquatic animals and ecosystems after the initial cleanup.
 9. **True or False:** Heavy rainfall can wash pollutants like oil, sewage, and chemicals into nearby water sources, increasing water pollution.
 10. **True or False:** Microplastics can enter the food chain through fish and marine animals consuming small plastic particles.
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Short Answer Questions:

11. What is the main cause of water pollution from agriculture?
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12. Explain how thermal pollution affects water ecosystems.

13. How do chemical pollutants, such as pesticides, affect both humans and wildlife?

14. Why is it important to prevent plastic waste from entering the oceans?

15. How does water pollution contribute to the loss of biodiversity in aquatic environments?

-Be Champion-