

## Science Lesson for 10 Parks that Changed America

## Observation Worksheet: Water Pollution

Name\_\_\_\_\_

Date\_\_\_\_\_

**Directions:** With your group, answer the following questions about your observations of clean and polluted water.

### Materials checklist:

- Small basin or container
- Pitcher of tap water
- Garbage (leftovers from lunch, wrappers, used drinking cups (from soda, e.g.), etc.
- Vegetable oil
- Strainer
- Tongs
- Microscope
- Glass slides
- Eyedropper

1) Place a drop of clean tap water on a slide. Take turns observing it under the microscope. Describe your observations. \_\_\_\_\_

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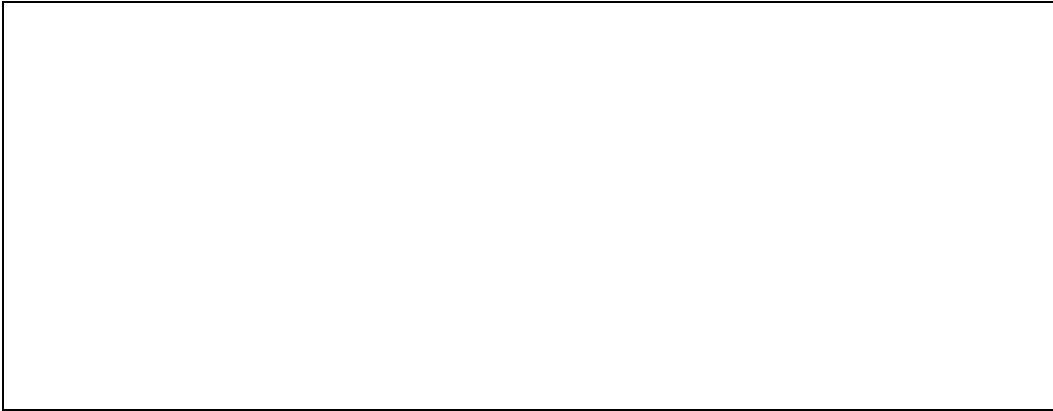
2) Draw what you see under the microscope here.

[illegible]

3) Now add the garbage to the water. Use the tongs to mix it up. Add some vegetable oil (to represent an oil spill). List the items you used to “pollute” the water. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

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- 4) Place a drop of “polluted” water on a slide and observe it under the microscope. Draw what you observe here.



- 5) Now, “clean” the polluted water. Use the strainer and the tongs to remove the garbage. Describe your process here. \_\_\_\_\_

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- 6) Place a drop of the “cleaned” water on another slide. Take turns observing it under the microscope. Describe your observations. \_\_\_\_\_

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- 7) Draw what you see under the microscope here.



6) Is it easier to clean polluted water or water that has been kept clean in the first place? What are the limitations to cleaning up polluted water?\_\_\_\_\_

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