

Dear students, Thank you for working with your teacher and classmates to monitor and restore the health of the Chicago River. As an Adopt A River School, you are an important partner with Friends of the Chicago River. "Friends" is an organization that works to improve and protect the Chicago River system for people, plants, and animals. We believe that one of the best ways to ensure the future health of the river is to work with the young people who will be future conservation leaders.

*** 1. What grade are you in?**

- | | | |
|---------------------------|----------------------------|----------------------------|
| <input type="radio"/> 6th | <input type="radio"/> 9th | <input type="radio"/> 12th |
| <input type="radio"/> 7th | <input type="radio"/> 10th | |
| <input type="radio"/> 8th | <input type="radio"/> 11th | |

*** 2. What school do you attend?**

- | | | |
|--|--|---|
| <input type="radio"/> Amundsen High School | <input type="radio"/> Lane Tech College Prep High School | <input type="radio"/> Schurz High School |
| <input type="radio"/> Chicago City Day School | | <input type="radio"/> Solorio Academy High School |
| <input type="radio"/> Curie Metro High School | <input type="radio"/> Lincoln Park High School | <input type="radio"/> Taft High School |
| <input type="radio"/> Deerfield High School | <input type="radio"/> Loyola Academy High School | <input type="radio"/> Von Steuben High School |
| <input type="radio"/> Drummond Elementary School | <input type="radio"/> Maine Township High Schools | <input type="radio"/> Waters Elementary School |
| | <input type="radio"/> Northside College Prep High School | |

*** 3. What is your teacher's name?***** 4. Approximately how many hours have you spent studying rivers so far this year? Include both in class and on field trips.**

*** 5. How many school field trips to the Chicago River have you taken this year?**

☐ None ☐ One ☐ Two ☐ Three ☐ More than three



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*** 6. Please tell us how interested you are in each of the following:**

| | No interest at all | A little interest | Somewhat interested | Interested | Very interested |
|---------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| School | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Science | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Nature | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

*** 7. Which of the following actions can improve the water quality of the Chicago River? Select the best answer.**

- ☐ Catching crayfish to determine water quality
 ☐ Testing the water quality of the river
☐ Having a picnic in the forest preserves
 ☐ Restoring quality habitat near the river
☐ Cutting down trees near the river's edge



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*** 8. When you think of the Chicago River, what is the first word that comes to mind?**

Image A

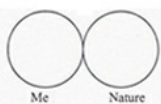


Image B

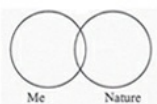


Image C

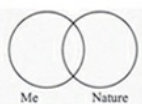


Image D

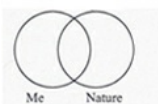


Image E

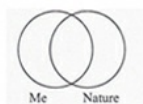


Image F



Image G



*** 9. Think about your relationship with nature (as shown in the images above). Please select the image which best represents your relationship with nature.**

☐ Image A ☐ Image B ☐ Image C ☐ Image D ☐ Image E ☐ Image F ☐ Image G



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*** 10. When doing a scientific investigation, it is important that all questions be completely answered at the end of the experiment.**

☐ True ☐ False

*** 11. Please classify each river organism listed as either native or non-native.**

| | Native | Non-native |
|------------------|-----------------------|-----------------------|
| Dragonfly larvae | <input type="radio"/> | <input type="radio"/> |
| Buckthorn | <input type="radio"/> | <input type="radio"/> |
| Poison ivy | <input type="radio"/> | <input type="radio"/> |
| Rusty crayfish | <input type="radio"/> | <input type="radio"/> |
| Asian carp | <input type="radio"/> | <input type="radio"/> |
| Scud | <input type="radio"/> | <input type="radio"/> |



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*** 12. All species of macroinvertebrates are equally tolerant of pollution.**

☐ True ☐ False

*** 13. If your river sample included only the following macroinvertebrate, which could be considered to have the highest water quality?**

- | | |
|--|-------------------------------------|
| <input type="radio"/> Crayfish | <input type="radio"/> Scuds |
| <input type="radio"/> Dobsonfly larvae | <input type="radio"/> Mayfly larvae |
| <input type="radio"/> Snails | |



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*** 14. When we say water is "turbid" we mean that it is:**

- | | |
|--|--|
| <input type="radio"/> Smelly | <input type="radio"/> Clear (easy to see through) |
| <input type="radio"/> High in salt content | <input type="radio"/> Cloudy (hard to see through) |
| <input type="radio"/> Flowing quickly | |

*** 15. You are at the river testing for the presence of phosphates in the water. If you want to get the most accurate result, how many tests should you perform?**

- | | |
|--|---|
| <input type="radio"/> Just one | <input type="radio"/> As many as you can in the time allowed |
| <input type="radio"/> Two, and take the average | <input type="radio"/> The most possible, by rushing through the procedure |
| <input type="radio"/> Three, and drop the lowest reading | |



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*** 16. Which of the following is a major source of increased phosphate levels in the river? Select the best answer.**

- | | |
|--|--|
| <input type="radio"/> Cigarette butts in the river | <input type="radio"/> Aquatic Invasive species (like Rusty crayfish) |
| <input type="radio"/> Agricultural fertilizer runoff | <input type="radio"/> Loss of biodiversity |
| <input type="radio"/> Eutrophication | |

*** 17. What action could you take, or suggest to others, to limit phosphates in the Chicago River?**

- | | |
|---|---|
| <input type="radio"/> Don't smoke cigarettes | <input type="radio"/> Use fertilizer to grow vegetables at home |
| <input type="radio"/> Dispose of batteries properly | <input type="radio"/> Recycle plastic containers |
| <input type="radio"/> Buy organic fruits and vegetables | |



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*** 18. There are many environmental problems and many ways to solve them. Please read the statements below and, for each, select the answer that best matches your personal opinion.**

| | No, I wouldn't do it | Just once | A few times | Fairly often | As often as possible |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| I am willing to take a shorter shower to help the Chicago River | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am willing to get muddy and wet to improve the Chicago River | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am willing to get dirty to clean up my neighborhood or school | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am willing to go door to door asking people I don't know to volunteer | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am willing to talk to friends and family about how to improve the Chicago River | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| I am willing to put my personal health at risk to help the Chicago River | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |