**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_**

**Lesson 1 - Exploring Hudson River PCB Data**

**Part 1: Background reading.** Using the reading, please answer the following questions:

1. What are PCBs, and why are people concerned about them?

|  |
| --- |
|  |

1. Where do most of the PCBs in the Hudson River come from?

|  |
| --- |
|  |

1. What is The Superfund Act, and why is the Hudson a site?

|  |
| --- |
|  |

1. How do fish get PCBs in their bodies?

|  |
| --- |
|  |

1. Where do PCBs generally accumulate in a fish?

|  |
| --- |
|  |

1. What factors determine the level of PCBs in a fish? Name at least three:

|  |
| --- |
|  |
|  |
|  |
|  |

1. Compare the levels of PCBs in Hudson River fish with those found in fish from other locations in the United States.

|  |
| --- |
|  |

1. What is the supermarket standard or "acceptable" level of PCBs in a fish for consumption as determined by the Food and Drug Administration?
2. Explain the process used to sample fish in the Hudson River.

|  |
| --- |
|  |

1. Explain how the Hudson is being cleaned up.

|  |
| --- |
|  |

1. Why will fish in the Hudson River still have PCBs for many years to come?

|  |
| --- |
|  |

1. Go to <http://www.health.ny.gov/environmental/outdoors/fish/hudson_river/> and find out some more specific information about New York, or use the handout provided by your teacher.
   1. For women under the age of 50, and people under the age of 15, how many fish can be eaten safely from the Hudson River south of the Corinth dam?

|  |
| --- |
|  |

* 1. For men over the age of 15 and women over the age of 50, explain the fish advisory in the county where YOU live:

|  |
| --- |
|  |