



Before Toxicology- Student

Name _____ School _____ Date _____
Class _____ Grade level _____

We would like to know what you already know about toxicology and your health before you begin to study it. After learning about this environmental health issue, you will complete the survey again to show how much you have learned. These surveys will ask you about the key concepts:

- How a toxin can enter the body
- How the dose is determined
- How the dose relates to the amount of damage (response)
- Acute versus chronic toxicity
- How the properties of a toxin relate to its effect on people
- Biological differences between species and individuals
- Why the route of exposure matters
- How toxicologists improve the health of our society and the environment through health risk assessments

1. How much do you think you know about when and how toxins affect your health? (circle one)

Nothing A little bit Quite a lot A whole lot

What is it that you already know?

2. What questions do you have about it?

How confident do you feel that you could answer these questions?
Couldn't find out Maybe could Probably could Sure I could
Explain how you would go about finding the answers.

3. How do toxins enter the body? Name three primary ways.

4. How can there be different doses for different people when the exposure is the same?
5. How is the dose a person or animal received determined?
6. How does the dose relate to the amount of damage (response)?
7. How is acute and chronic toxicity different?
8. How do the properties of a toxin relate to how it affects people? Why would some toxins affect people more?
9. Do toxins affect people or species differently based on their characteristics? (gender, age, metabolic status, diet, genetics)
10. Why does the route of exposure matter to its effect on people and other living things?
11. What do toxicologists do? How are their health risk assessments done? How are they used?
12. How important do you think it is to learn about how toxins affect your health?
Not very important Sort of important Very important Critically important
Please **explain** your rating.



Thank you! Please return to the Evaluator, Dr. Hilarie B. Davis, hilarie@techforlearning.org