

Name:	Class/ Section: 12 ES	Date:
Chapter: Environmental Health	Lesson: 9.1 An Overview of Environmental Health	Textbook p.:
Graphic Organizer		

9.1 An Overview of Environmental Health

Multiple Choice

- An earthquake is an example of a

A social hazard.	C chemical hazard.
B physical hazard.	D biological hazard.

- Which of the following is not considered to be a biological hazard?

A flu virus	C cigarette smoke
B pet dander	D bacterium that causes strep throat

- Environmental health is the study of how environmental factors affect human health

A length of life.	C population size.
B quality of life.	D population growth.

- Explain the difference between social hazards such as smoking cigarettes and living near a factory that releases harmful chemicals into the water.

- List three examples of physical hazards.

For Questions 6–11, match each term with the statement that best describes it.

- | | |
|-------------------------------|---|
| _____ 6 dose | a how harmful a substance is |
| _____ 7 epidemiology | b the amount of a substance an organism is exposed to |
| _____ 8 response | c the effect as a result of exposure to a substance |
| _____ 9 threshold dose | d the study of how poisonous substances affect health |
| _____ 10 toxicity | e the study of disease in human populations |
| _____ 11 toxicology | f the amount of a substance needed to cause a response |

12 What is a dose-response relationship?

13 Which two factors does toxicity depend on?

True & False

14 People respond differently to the same environmental hazards.

15 People with compromised immune systems are often less sensitive to biological and chemical hazards than healthy people.

16 Many diseases have either genetic or environmental factors.

17 Explain why someone who eats healthy food and does not smoke may still develop a disease such as cancer.

18 Explain why alcohol use may cause damage to a developing fetus even though it may not harm the health of the mother.

Risk Assessment

19 What is the process of risk assessment used to determine?

20 Describe the steps that a scientist takes when doing a risk assessment for a chemical hazard.

21 How are risk assessments of environmental hazards useful to policymakers?
