**Pre-test Answers for "Welcome to Your World"**

**1. The major source of energy for Earth is/are \_\_\_\_\_.**

A. oil  
**B. the Sun (Objective 1)**  
C. the producers of electricity  
D. heat  
E. coal

**2. Plants use \_\_\_\_\_ and \_\_\_\_\_ to form sugar.**

A. oxygen; carbon dioxide  
B. sunlight; oxygen  
C. carbon dioxide; glucose  
D. glucose; oxygen  
**E. carbon dioxide; sunlight (Objective 2)**

**3. A food chain is a series of organisms that transfer \_\_\_\_\_ between different  
levels of an ecosystem.**

A. information  
**B. food** **(Objective 1)**  
C. heat  
D. nitrogen  
E. oxygen

**4. If you switched to an all plant diet, you would be classified as a(n) \_\_\_\_\_.**

A. producer  
B. decomposer  
C. omnivore  
D. carnivore  
**E. consumer (Objective 1)**

**5. Which of the following CANNOT be recycled?**

**A. energy** **(Objective 2)**  
B. water  
C. carbon  
D. nitrogen  
E. oxygen

**6. The conversion of water from a liquid to a gaseous form is known as \_\_\_\_\_.**

A. dehydration  
B. precipitation  
**C. evaporation** **(Objective 2)**  
D. condensation  
E. reconstitution

**7. The majority of the Earth's water is \_\_\_\_\_.**

A. found in the oceans  
B. stored in clouds  
C. frozen as ice at the North and South Pole  
D. in rivers, streams, and lakes  
**E. unavailable beneath the Earth's surface (Objective 2)**

**8. Which of the following is an important store for carbon dioxide?**

A. rocks  
B. oceans  
C. the atmosphere  
D. fossil fuels  
**E. all of these are important stores for carbon dioxide (Objective 2)**

**9. Nitrogen is required by organisms to produce \_\_\_\_\_.**

A. oxygen  
**B. amino acids** **(Objective 2)**  
C. fats  
D. cholesterol  
E. nitrates

**10. What is the correct formula for Risk?**

A. Risk = Toxicity / Exposure  
B. Risk = Toxicity + Exposure  
C. Risk = Toxicity - Exposure  
**D. Risk = Toxicity x Exposure** **(Objective 3)**  
E. Risk = Toxicity + 1/Exposure

**11. If a very toxic substance is stored in a way that no one is exposed to it, the risk  
of injury or toxicity is \_\_\_\_\_\_:**

**A. none** **(Objective 3)**  
B. low  
C. medium  
D. high  
E. unable to be determined

**12. All of the following are usual ways in which a compound can enter the body,  
EXCEPT:**

A. eating the compound  
B. drinking water contaminated with the compound  
C. inhaling the compound  
**D. injection into the skin by a mosquito** **(Objective 3)**  
E. coming in contact with the compound through the skin

**Post-test Answers for "Welcome to Your World"**

**1. The majority of the Sun's energy is captured by \_\_\_\_\_, which are known as \_\_\_\_\_.**

A. plants; consumers  
B. animals; producers  
C. animals; decomposers  
**D. plants; producers** **(Objective 1)**  
E. plants; decomposers

**2. Biomass is the term for \_\_\_\_\_ in the environment.**

**A. all of the organic materials** **(Objective 1)**  
B. all of the living organisms  
C. all of the plants  
D. only the animals  
E. only the oxygen-consuming organisms

**3. The term "omnivore" is used to describe an organism that consumes:**

A. only plants  
B. only animals  
**C. both plants and animals** **(Objective 1)**  
D. only dead animals  
E. both live and dead animals

**4. Decomposers are important because \_\_\_\_\_.**

A. they produce energy from sunlight  
B. they convert energy into sugars and release tremendous amounts of oxygen into the atmosphere  
**C. they convert wastes into inorganic components for producers to use** **(Objective 1)**  
D. they consume energy from producers and produce large volumes of carbon dioxide into the atmosphere  
E. they utilize heat as a source of energy

**5. Formation of water vapor taken from the leaves of plants is called \_\_\_\_\_.**

A. condensation  
B. precipitation  
C. dehydration  
**D. transpiration** **(Objective 2)**  
E. accumulation

**6. Which of the following organisms use carbon dioxide to make energy?**

A. a dog  
**B. an apple tree** **(Objective 2)**  
C. a bullfrog  
D. a hammerhead shark  
E. all of these use carbon dioxide to produce energy

**7. In order for nitrogen to be usable by most organisms, it must be\_\_\_\_\_.**

A. converted to oxygen  
**B. fixed (Objective 2)**  
C. reduced to sugars  
D. released into the atmosphere  
E. split

**8. Which of the following statements concerning toxicity of compounds is TRUE?**

A. Toxic compounds are equally toxic to people and animals  
B. If a compound is toxic to people, it is not beneficial to people  
**C. How much of a toxic compound a person is exposed to is as important as its toxicity** **(Objective 3)**  
D. Some environmental toxicants have a positive or beneficial impact on living organisms  
E. Most environmental toxicants enter the body by coming in contact with another individual who has been exposed to the toxicant

**9. The risk of toxicity is \_\_\_\_\_ the exposure.**

A. inversely related to  
**B. directly related to** **(Objective 3)**  
C. important in determining  
D. independent of  
E. not related to

**10. If you encounter a high-level of a non-toxic substance, your risk of injury or illness is \_\_\_\_\_\_:**

**A. none** **(Objective 3)**  
B. low  
C. medium  
D. high  
E. unable to be determined

**11. In order to minimize your risk of chemical toxicity you can \_\_\_\_\_\_:**

A. decrease the toxicity of the compound  
B. increase the level of good chemicals in the environment  
**C. decrease your exposure to the compound** **(Objective 3)**  
D. increase your exposure to good chemicals  
E. decrease the amount of time you spend outside

**12. If a compound is toxic,\_\_\_\_.**

A. then it is toxic to all living things  
**B. its toxicity can vary from individual to individual** **(Objective 3)**  
C. only high exposure has risk  
D. its more toxic if eaten than if inhaled  
E. exposure cannot be avoided