**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