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**Marks** 11.00/11.00

**Grade** 30.00 out of 30.00 (100%)

## Question 1

Correct

Mark 1.00 out of 1.00

\_\_\_\_\_ is a tool that uses land as the unit of measurement to assess per capita consumption, production, and discharge needs.

Select one:

- a. Ecological footprint ✓
- b. GDP
- c. Green accounting
- d. Sustainable development

## Question 2

Correct

Mark 1.00 out of 1.00

The smallest unit of biological structure that meets the functional requirements of "living" is the \_\_\_\_\_.

Select one:

- a. organ
- b. organelle
- c. cell ✓
- d. macromolecule

**Question 3**

Correct

Mark 1.00 out of 1.00

A suggested and testable explanation for an event is called a \_\_\_\_\_.

Select one:

- a. hypothesis ✓
- b. variable
- c. theory
- d. control

**Question 4**

Correct

Mark 1.00 out of 1.00

The type of logical thinking that uses related observations to arrive at a general conclusion is called \_\_\_\_\_.

Select one:

- a. deductive reasoning
- b. the scientific method
- c. hypothesis-based science
- d. inductive reasoning ✓

**Question 5**

Correct

Mark 1.00 out of 1.00

Which of the following statements is not true?

Select one:

- a. Water is polar.
- b. Water stabilizes temperature.
- c. Water is essential for life.
- d. Water is the most abundant atom in Earth's atmosphere. ✓

**Question 6**

Correct

Mark 1.00 out of 1.00

Using a pH meter, you find the pH of an unknown solution to be 8.0. How would you describe this solution?

Select one:

- a. weakly acidic
- b. strongly acidic
- c. weakly basic ✓
- d. strongly basic

**Question 7**

Correct

Mark 1.00 out of 1.00

An example of a monosaccharide is \_\_\_\_\_.

Select one:

- a. fructose
- b. glucose
- c. galactose
- d. all of the above ✓

**Question 8**

Correct

Mark 1.00 out of 1.00

Which of these do all prokaryotes and eukaryotes share?

Select one:

- a. nuclear envelope
- b. cell walls
- c. organelles
- d. plasma membrane ✓

**Question 9**

Correct

Mark 1.00 out of 1.00

Which of the following is found both in eukaryotic and prokaryotic cells?

Select one:

- a. nucleus
- b. mitochondrion
- c. vacuole
- d. ribosome ✓

**Question 10**

Correct

Mark 1.00 out of 1.00

What two products result from photosynthesis?

Select one:

- a. water and carbon dioxide
- b. water and oxygen
- c. glucose and oxygen ✓
- d. glucose and carbon dioxide

**Question 11**

Correct

Mark 1.00 out of 1.00

From where does a heterotroph directly obtain its energy?

Select one:

- a. the sun
- b. the sun and eating other organisms
- c. eating other organisms ✓
- d. simple chemicals in the environment