

Name: _____ Date: _____

Which Footprint Will You Leave? Freshmen Sustainability Quiz

Examine how global consumption habits and manufacturing decisions impact Earth's finite resources through the lens of a future-focused environmental advisor.

1. The concept of 'The Triple Bottom Line' suggests that sustainable businesses should measure success by its impact on people, the planet, and what third factor?

- A. Political influence
- B. Rapid expansion
- C. Profit
- D. Advertising reach

2. True or False: Intergenerational equity is the principle that the current generation should not use resources in a way that leaves future generations worse off.

- A. True
- B. False

3. The practice of _____ involves designing products so they can be fully recycled or composted at the end of their life, mimicking natural cycles.

- A. Planned obsolescence
- B. Cradle-to-Cradle design
- C. Mass production
- D. Linear manufacturing

4. Which of the following is an example of a 'Tragedy of the Commons' scenario regarding shared environmental resources?

- A. A family growing a backyard vegetable garden
- B. A company installing solar panels on its roof
- C. Overfishing in international waters where no single country has control
- D. A city opening a new public library

5. True or False: A 'Carbon Footprint' measures only the direct carbon dioxide emissions from breathing.

- A. True
- B. False

6. When a city implements _____, it creates urban areas where people can meet all their basic needs within a short walk or bike ride from home.

- A. Industrial zoning
- B. Urban sprawl
- C. Smart growth
- D. Highway expansion

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7. Which term describes the maximum population size of a species that a specific environment can sustain indefinitely without degrading the ecosystem?

- A. Exponential growth
- B. Tipping point
- C. Carrying capacity
- D. Biodiversity index

8. True or False: Biomimicry is the practice of looking to nature's models and strategies to solve human design challenges sustainably.

- A. True
- B. False

9. The 'Precautionary Principle' suggests that if an action or policy has a suspected risk of causing harm to the public or environment, the burden of proof that it is _____ falls on those taking the action.

- A. Profitable
- B. Safe
- C. Popular
- D. Expensive

10. Which of these is a 'renewable' resource, meaning it can be replenished naturally over short periods of time?

- A. Natural gas
- B. Geothermal energy
- C. Coal
- D. Crude oil