

Name: _____ Date: _____

Answer Key: Sustain Your Future: The 11th Grade Resource Reality Quiz

Imagine balancing a city budget while protecting a local watershed; identifying core pillars of sustainability helps you make those real-world executive calls.

1. Which of the following best describes the 'Triple Bottom Line' approach to sustainable business?

Answer: B) Balancing environmental impact, social equity, and economic viability

The Triple Bottom Line (TBL) framework transitions away from a single focus on profit to include 'People, Planet, and Profit' as measures of success.

2. The concept of 'Intergenerational Equity' suggests that the current generation has a moral obligation to leave a healthy planet for those born in the future.

Answer: A) True

Intergenerational equity is a core principle of sustainability, ensuring that our resource consumption today does not limit the opportunities of future generations.

3. A city switches its entire bus fleet from diesel to electric power. This action is primarily a strategy for ____.

Answer: B) Reducing carbon emissions

Electric vehicles (EVs) eliminate tailpipe emissions, making them a key tool for urban sustainability and improving air quality.

4. Which agricultural method is most likely to be considered 'sustainable' due to its focus on long-term soil health?

Answer: C) Crop rotation and integrated pest management

Crop rotation naturally replenishes soil nutrients and breaks pest cycles, reducing the need for chemical interventions.

5. When a company designs a product so that every part can be reused or recycled at the end of its life, it is participating in a ____.

Answer: B) Circular economy

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A circular economy aims to eliminate waste by keeping resources in use for as long as possible through recycling and refurbishment.

6. Economic sustainability is achieved when a community grows its wealth without depleting the natural resources that support that growth.

Answer: A) True

True economic sustainability ensures that financial progress does not come at the expense of the environmental systems required for survival.

7. In the context of sustainability, 'social equity' refers to which of the following?

Answer: B) Ensuring fair distribution of environmental benefits and burdens

Social equity involves ensuring that no specific group of people bears a disproportionate share of negative environmental impacts.

8. The use of solar panels on a school roof is an example of _____ energy, which is a hallmark of environmental sustainability.

Answer: C) Renewable

Renewable energy comes from sources that are naturally replenished on a human timescale, such as sunlight.

9. Sustainability only involves individual lifestyle choices and has nothing to do with government policy or international law.

Answer: B) False

Sustainability requires collective action across all levels, including individual habits, corporate responsibility, and government legislation.

10. A community garden is established in an urban 'food desert' to provide fresh produce to residents. This project primarily supports:

Answer: A) Environmental and social sustainability

Urban gardens improve local biodiversity (environmental) and provide healthy food access and community connection (social).