

Chapter 1 Practice Quiz

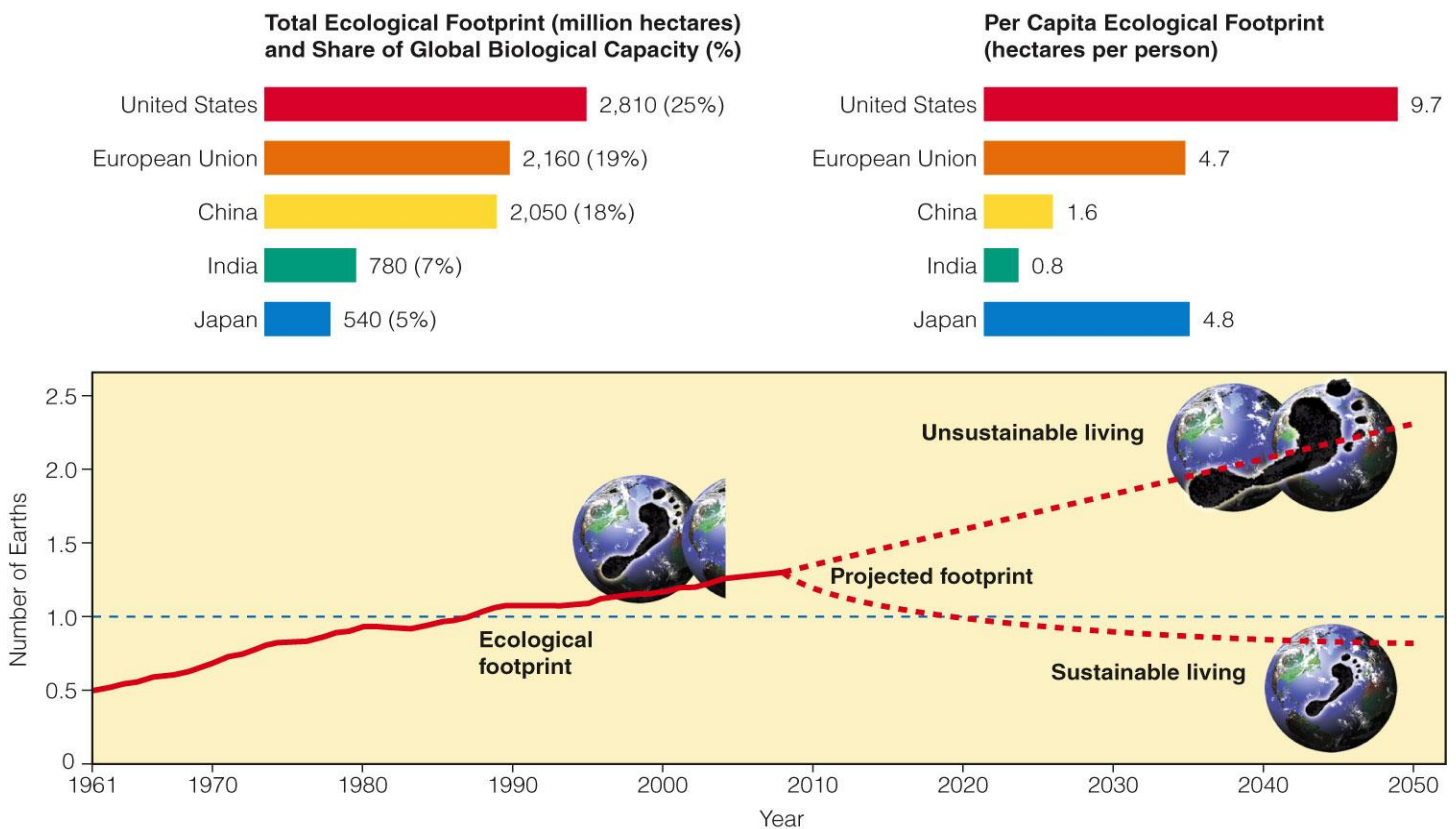
1. Pollution from which of the following is an example of point source pollution?

- (A) Fertilizers from agricultural fields
- (B) Runoff from Midwestern farms
- (C) Oil spills from leaky pipelines
- (D) Pesticides from farmland
- (E) Smoke from an industrial plant smokestack

2. Countries such as China have increasing populations that are attaining a middle-class status. This has led to

- (A) a decrease in environmental impact.
- (B) more arable land available for farming.
- (C) a reduction in air pollution.
- (D) two-thirds of the world's most polluted cities in China.
- (E) less strain on water resources.

Use the graph below to answer questions 3-6.



3. India's per capita ecological footprint is approximately

- (A) 1/10 of China's ecological footprint.
- (B) 1/5 of China's ecological footprint.
- (C) 1/2 of China's ecological footprint.
- (D) 2X China's ecological footprint.
- (E) equal to China's ecological footprint.

4. In the year 2000, what is the Earth's ecological footprint?

- (A) 1.3 Earths
- (B) 0.5 Earths
- (C) 2.0 Earths
- (D) 1.5 Earths
- (E) 1 Earth

5. All of the following ways would help to reduce the projected ecological footprint EXCEPT

- (A) using shared resources at rates well below their estimated sustainable yields.
- (B) converting open-access resources to private ownership.
- (C) reuse of resources over and over.
- (D) recycling nonrenewable metallic resources.
- (E) continued reliance on the current fossil fuel.

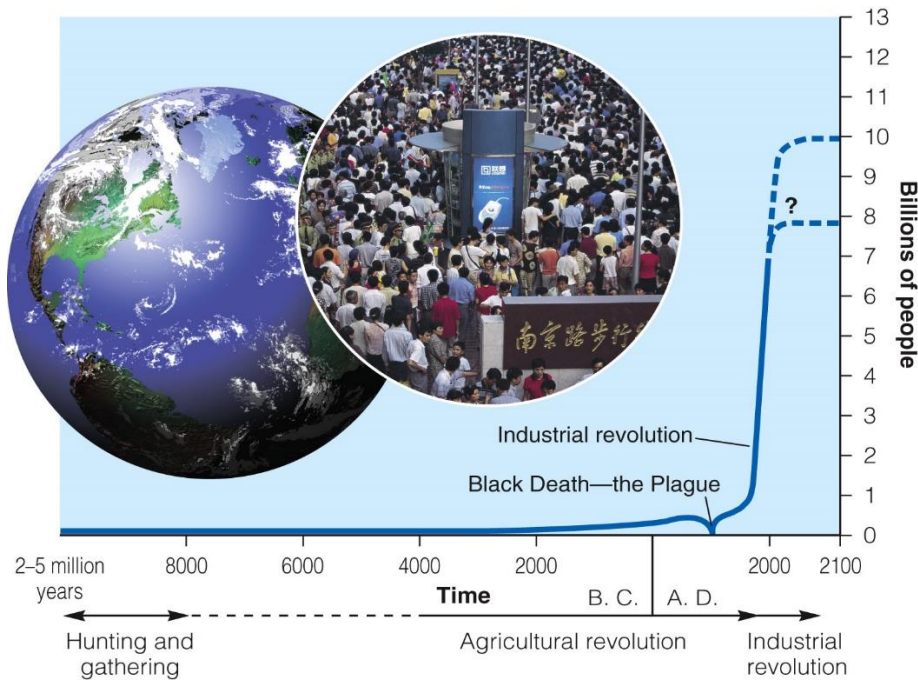
6. From the bar graph you can infer that Japan's ecological print is no greater than

- (A) 5%.
- (B) 8%.
- (C) 12%.
- (D) 26%.
- (E) 20%.

7. An example of the tragedy of the commons would be?

- (A) grazing cattle on private land.
- (B) emitting sulfur dioxide into the atmosphere.
- (C) harvesting lumber on private property.
- (D) fish in a stock tank.
- (E) gathering fruit from an orchard.

Use the graph at below to answer questions 8-10.



8. In what year did the human population reach 6 billion?

- (A) 8000 BC
- (B) 4000 BC
- (C) 2000 BC
- (D) 1000 AD
- (E) 2000AD

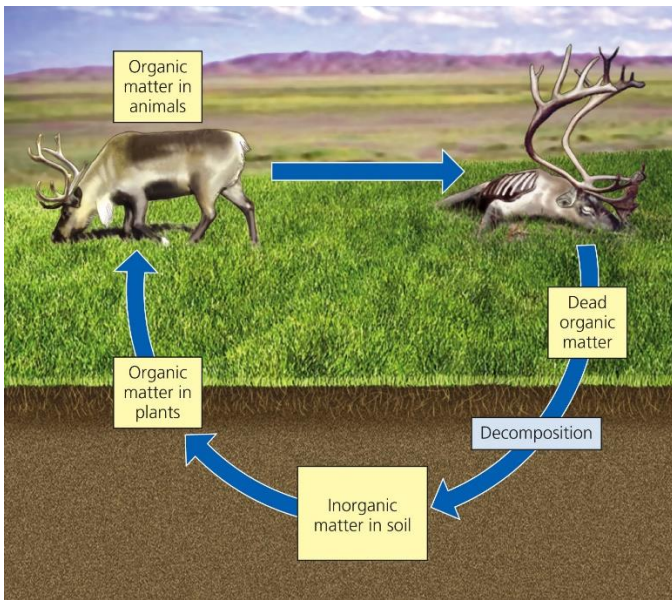
9. The graph illustrates which type of growth?

- (A) Exponential
- (B) Linear
- (C) Logistic
- (D) Parabolic
- (E) Inverse

10. Both dotted lines assume that population will

- (A) increase at a linear rate.
- (B) decrease.
- (C) increase exponentially.
- (D) stabilize.
- (E) collapse.

Refer to figure below to answer question 11.



11. The figure illustrates

- I. the conservation of energy.
- II. a cycle.
- III. the conservation of matter.

- (A) I only
- (B) I and II
- (C) II only
- (D) I and III
- (E) I, II, and III

12. Solutions to environmental problems are not always easy. This is because

- (A) there is only one correct answer to environmental problems.
- (B) it means that people will suffer.
- (C) once a solution is suggested it can never be changed.
- (D) laws must always be written to solve the environmental problem.
- (E) any solution has both advantages and disadvantages.

13. Which of the below is an example of the tragedy of the commons?

- (A) Treaties allowing for the limited taking of whales for research purposes
- (B) Offshore clam beds in public areas depleted below replenishment levels by overfishing
- (C) Individuals catching their legal limit of fish on a daily basis
- (D) Shrimp boats accidentally catching turtles in their nets
- (E) A large storm smothering a large oyster bed with a new sand bar