

Which country is *most* likely to have either a stabilized or a slowly growing population?

- a. Pakistan
- b. Canada
- c. Mexico
- d. India

The term “biodiversity” refers to

- a. The number of species living on Earth.
- b. The number and variety of species living and dead on Earth.
- c. The number and variety of species that live in an area.
- d. The number and variety of species that are considered renewable.

During the \_\_\_\_\_ period(s), humans altered their habitats.

- a. agricultural revolution
- b. Industrial Revolution
- c. hunter-gatherer
- d. All of the above

The 1990 Oil Pollution Act requires that all

- a. underground storage facilities be constructed of composite materials.
- b. tankers in U.S. waterways be double hulled by the year 2015.
- c. oil used in the U.S. is recycled.
- d. leaking underground storage facilities be repaired in 90 days.

Dust storms, volcanoes, and wildfires are all \_\_\_\_\_

- a. causes of pollution due to human activities
- b. natural events that do not cause pollution
- c. causes of pollution humans can control
- d. natural causes of pollution

The burning of the Cuyahoga River led to what act of 1972? \_\_\_\_\_

- a. Water Quality Act
- b. Safe Drinking Water Act
- c. Clean Water Act
- d. Oil Pollution Act

Electricity is produced chemically when hydrogen and oxygen are combined in a(n) \_\_\_\_\_.

- a. hybrid
- b. solar cell
- c. turbine
- d. fuel cell

Solar cells are also called \_\_\_\_\_.

- a. fuel cells
- b. batteries
- c. photovoltaic cells
- d. turbines

The \_\_\_\_\_ describes the conflict between individuals and society.

- a. agricultural revolution
- b. “Tragedy of the Commons”
- c. ecological footprint
- d. law of supply and demand

A large area of land that is drained by a river is known as a(n) \_\_\_\_\_.

- a. watershed
- b. groundwater
- c. recharge zone
- d. aquifer

An example of a population is

- a. all plants in a forest.
- b. all animals in a forest.
- c. all maple trees in a forest.
- d. all trees in a forest.

An accumulation of pollutants at successive levels of the food chain is called \_\_\_\_\_.

- a. biomagnification
- b. pathogen building
- c. wastewater
- d. eutrophication

What is the purpose of adding chlorine to water during the water treatment process?

- a. to remove unwanted gases
- b. to kill bacteria that have accumulated, as well as prevent future bacterial growth
- c. to form flocs that bacteria and other impurities will cling to
- d. to filter and remove large debris

The fastest growing source of energy in the world is \_\_\_\_\_.

- a. wind
- b. water
- c. geothermal
- d. solar

An ecological footprint is the \_\_\_\_\_.

- a. number of trees people cut down.
- b. number of animals a person has killed.
- c. mark a person's shoe makes in soft earth.
- d. amount of land and ocean area needed to support one person.

Which of the following would most likely cause a large number of density-dependent deaths in a population?

- a. tornadoes
- b. winter storms
- c. floods
- d. diseases

The upper layer of soil consisting of rock particles, water, air, and organic matter is the \_\_\_\_\_.

- a. bedrock
- b. subsoil
- c. zone of leaching
- d. topsoil

The \_\_\_\_\_ aquifer supplies about one-third of all the groundwater used in the United States.

- a. Amazon
- b. Mississippi
- c. Orinoco
- d. Ogallala

When a town's residents noticed a large number of dead fish in a local creek, they traced the problem to a nearby gas station. It turned out that a tank of gasoline had developed a leak. This is an example of \_\_\_\_\_.

- a. nonpoint-source pollution.
- b. point-source pollution.
- c. groundwater pollution.
- d. thermal pollution.

Which of the following agricultural products requires the least amount of energy?

- a. wheat
- b. beef cattle
- c. dairy cows
- d. Both (b) and (c)

In which of the following relationships do both species benefit?

- a. parasitism
- b. predation
- c. commensalism
- d. mutualism

Most of today's environmental problems began during which period(s) in human history?

- a. hunter-gatherer period
- b. agricultural revolution
- c. Industrial Revolution
- d. Both (a) and (b)

The name for a widespread food shortage that results in many people not having enough food is called a(n) \_\_\_\_\_.

- a. malnutrition
- b. drought
- c. famine
- d. desertificaion

Which of the following is **not** a method of soil conservation?

- a. contour plowing
- b. terracing
- c. fertilizing
- d. no-till

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Energy from sources that are still in development is \_\_\_\_\_ energy.

- a. underdeveloped
- b. alternative
- c. renewable
- d. fantasy

The largest watershed in the United States is the \_\_\_\_\_

- a. Rio Grande.
- b. Mississippi River.
- c. Colorado River.
- d. Yukon River.

A(n) \_\_\_\_\_ is an underground rock formation that holds water.

- a. reservoir
- b. groundwater
- c. aquifer
- d. potable

The relationship between a cougar and a rabbit is an example of \_\_\_\_\_

- a. competition.
- b. parasite and host.
- c. predator and prey.
- d. mutualism.

Which of the following is BOTH a modern and old agricultural method?

- a. using manure
- b. applying chemical fertilizers
- c. irrigating with spayers
- d. Both (b) and (c)

Which of the following is a developing nation?

- a. the United States
- b. Ethiopia
- c. Canada
- d. France

Which of the following is a threat to coral reefs?

- a. sewage
- b. oil spills
- c. pesticides
- d. All of the above

Each of the following is an example of a parasite *except*

- a. mistletoe on a tree.
- b. a tick on a cat.
- c. a roundworm in a human's intestine.
- d. a cow in a pasture.

Land where it is possible to grow crops is called

- a. organic land.
- b. vegetative land.
- c. arable land.
- d. All of the above

A science that examines how humans interact with their living and nonliving environment is called \_\_\_\_\_.

- a. environmental science
- b. ecology
- c. sociology
- d. zoology

Which of the following best describes why many people in the world go hungry?

- a. Food production has not been increasing as fast as the human population.
- b. There is plenty of food produced for everyone to have more than enough, but it is not distributed equally.
- c. Global warming has contributed to crop failures.
- d. In recent years, the human population has been growing, while food production has been falling.

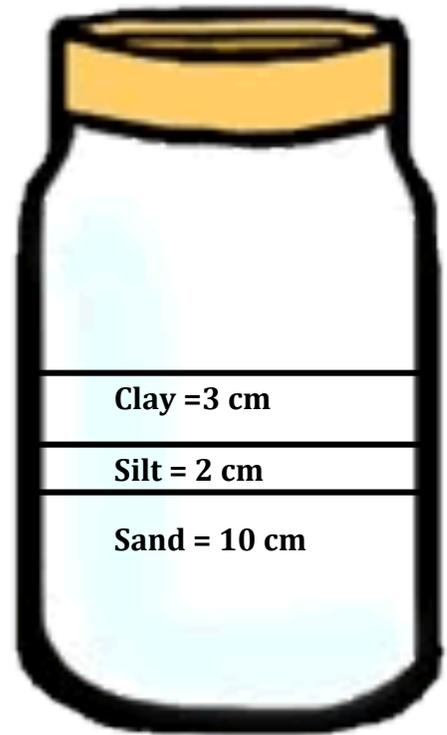
A resident of \_\_\_\_\_ is likely to leave the largest ecological footprint.

- a. the United States
- b. Britain
- c. Indonesia
- d. India

What are exotic or introduced species? Explain how they can threaten ecosystems.

**Find the soil type. Need your Soil triangle.**

Total height of soil = _____
Clay % = _____
Silt % = _____
Sand % = _____
Type of soil using "Soil Triangle" is: _____



Imagine that one species no longer exists, or becomes extinct, immediately after the extinction of another species. Which relationship did the two species more likely have: *competition* or *mutualism*? Explain your reasoning.

Which fuel in the two burners was made from a fossil fuel, the methanol or charcoal lighter fluid? How could you tell? What does this tell us about the burning of fossil fuels and their effect on the environment?

Discuss how a wind turbine and a hydroelectric dam work similarly to make power and their positive and negative environmental impacts. {What parts would match-up? Pros and cons for each?} (4 points)

Explain the difference between passive and active solar energy and give examples of each? (3 pts)

What are exotic or introduced species? Explain how they can threaten ecosystems.

Be able to create a predator/prey graph.