

Question 1

Recent studies indicate that two of the most dangerous components of air pollution in and around major cities in the United States are

- A) fine particles and sulfur pollution.
- B) carbon monoxide and ozone.
- C) lead and volatile organic compounds.
- D) radon and carbon monoxide.

Answer: <https://biology-forums.com/index.php?topic=256815>

Question 2

You have a bicycle accident. Although you are OK, the bike is a mess. The rear wheel is bent, it will need a new chain, and the front tire is punctured. The estimated cost of repair is about \$ 100. You can buy a new bike for about \$ 120. What is the most environmentally friendly option?

- A) repair the bike
- B) buy a new bike and toss the old one
- C) just drive your car instead
- D) toss the old bike and buy a cheap used one at a garage sale

Answer: <https://biology-forums.com/index.php?topic=257130>

Question 3

Using the IPAT or ImPACT formula, which of the following would most likely reduce the environmental impact of a society?

- A) construction of industrial plants by wealthy nations to draw on cheaper labor
- B) the discovery of large reserves of fossil fuels within a nation's borders
- C) increased use of electricity and natural gas by most members of a society
- D) greater use of birth control by most members of a society

Answer: <https://biology-forums.com/index.php?topic=258648>

Question 4

In general, the global reliance on nuclear power to generate electricity

- A) has declined annually since 1987.
- B) has remained steady since about 1978.
- C) has gradually increased at about 3% a year for the last decade.
- D) has doubled in the last decade.

Answer: <https://biology-forums.com/index.php?topic=259233>

Question 5

The space inside the two buildings with the egg-shaped tops

- A) is filled with aerobic bacteria.
- B) contains large amounts of ammonia.
- C) is filled with biogas.
- D) contains high levels of oxygen.

Answer: <https://biology-forums.com/index.php?topic=256996>

Question 6

Denitrification in sewage treatment systems requires

- A) the bubbling of oxygen into waste sewage.
- B) the addition of water to waste sewage.
- C) an anaerobic environment.
- D) an aerobic environment.

Answer: <https://biology-forums.com/index.php?topic=258225>

Question 7

Which of the following products is difficult to recycle, clogs sewer pipes, and kills thousands of marine mammals and turtles every year?

- A) aluminum and steel cans
- B) plastic bottles
- C) glass containers
- D) thin plastic grocery bags

Answer: <https://biology-forums.com/index.php?topic=257175>

Question 8

Technology illustrated in this figure represents

- A) a flat-plate solar collector that may be used in active or passive solar heating.
- B) a flat-plate solar collector used only in active solar heating.
- C) a flat-plate solar collector used only in passive solar heating.
- D) a solar space heater used to heat the air in a building.

Answer: <https://biology-forums.com/index.php?topic=259328>

Question 9

Which of the following would do the most harm to the productivity of a garden?

- A) killing the fungi and bacteria in the soil
- B) killing the nematodes and insects in the soil
- C) adding humus and sandy loam to the soil
- D) plowing into the soil the stalks from last year's crops

Answer: <https://biology-forums.com/index.php?topic=258915>

Question 10

As you paddle along in your canoe, you pass alligators, herons, turtles, and tall marsh grasses on your journey through Everglades National Park. This magnificent ecosystem is one of the most famous examples of

- A) the saline portion of an estuary.
- B) a lake with some incoming tidal flow.
- C) a freshwater wetland.
- D) a freshwater stream.

Answer: <https://biology-forums.com/index.php?topic=258360>

Question 11

The highest amounts of pesticides or their breakdown products would be found in a cougar in its

- A) saliva.
- B) muscles.
- C) kidneys.
- D) body fat.

Answer: <https://biology-forums.com/index.php?topic=259072>

Question 12

This is a photograph of what remains of the Chernobyl nuclear power plant that was destroyed in 1986. This reactor exploded primarily because of

- A) a terrorist attack.
- B) the overuse of the fuel rods.
- C) human operating error and design flaws.
- D) increased demand for electricity.

Answer: <https://biology-forums.com/index.php?topic=259279>

Question 13

Small-scale businesses in Bangladesh have done well because of the Grameen bank lending

- A) large amounts of money to men.
- B) large amounts of money to women.
- C) small amounts of money to men.
- D) small amounts of money to women.

Answer: <https://biology-forums.com/index.php?topic=258768>

Question 14

Abortion

- A) is encouraged by the United Nations as part of its policy on family planning.
- B) remains the most effective way for people in developed nations to limit family size.
- C) is rarely performed in developing countries because of the lack of medical care.
- D) would be less common if family planning services were more available.

Answer: <https://biology-forums.com/index.php?topic=258763>

Question 15

In general, recycling materials found in MSW

- A) uses more natural resources but decreases pollution and saves energy.
- B) uses more natural resources, increases pollution, but saves energy.

- C) conserves natural resources, decreases pollution, but uses more energy.
D) conserves natural resources, decreases pollution, and saves energy.

Answer: <https://biology-forums.com/index.php?topic=257152>

Question 16

The use of pesticides crosses the economic threshold when the cost of

- A) crop damage is more than the cost of the pesticide.
B) pesticide is more than the cost of the crop damage.
C) harvesting the crop is more than the cost of raising the crop.
D) cost of raising the crop is more than the cost of the crop damage.

Answer: <https://biology-forums.com/index.php?topic=259110>

Question 17

Today, many of the old dumps and landfills from past decades are now

- A) festering sites of toxic waste that must be fenced off and restricted.
B) parks and recreational areas widely used by the public.
C) being mined for the resources that were buried over several decades.
D) deep depressions, resulting from the decay of most of the materials that were buried long ago.

Answer: <https://biology-forums.com/index.php?topic=257051>

Question 18

Which of the following would most likely cause the greatest harm to wild Giant Panda populations in China?

- A) the introduction of beetles that eat bamboo
B) captive breeding of giant pandas already in zoos throughout the world
C) restricting logging in regions within the current Giant Panda range
D) promoting the giant panda as a national symbol of China

Answer: <https://biology-forums.com/index.php?topic=258135>

Question 19

In a photovoltaic system, an inverter is required to

- A) directly convert surplus electricity into heat.
B) generate electricity from solar energy.
C) connect the DC current of the solar panel to the AC current of an electrical grid.
D) convert AC from the solar panel into DC of the grid.

Answer: <https://biology-forums.com/index.php?topic=259335>

Question 20

To provide south Florida with water during its winter dry season, the Everglades Restoration Plan calls for

- A) strict water conservation in farming and urban areas during the dry months.
B) directing water away from Everglades National Park into reservoirs for urban and farm use.
C) directing more water into the Everglades flow system and building underground reservoirs.
D) digging canals to bring in additional water from the Atlantic and the Gulf of Mexico.

Answer: <https://biology-forums.com/index.php?topic=258605>