

1 The table shows some information about two closely related species of sea bird.

bird species X	bird species Y
mixed diet, but no small fish catches fish out at sea nests high on cliffs or broad ledges	eats mostly small fish catches fish near river mouths nests low on cliffs or on shallow ledges

Sewage pollution at the mouth of a river destroys its fish stocks.

What is likely to happen to local populations of these birds?

- A There will be no change to either species.
- B Species X numbers will decrease, species Y will remain constant.
- C Species Y numbers will decrease, species X will remain constant.
- D Both species numbers will increase.

2 A large amount of herbicide is applied to a field. Heavy rainfall carries much of it into a nearby lake.

What will be the effect of this on the lake?

- A Herbicide decreases the growth of water plants.
- B Herbicide decreases the number of bacteria.
- C Herbicide increases the rate of evaporation from the lake.
- D Herbicide kills the fish.

3 The table shows the amount of carbon dioxide in the atmosphere in three different years.

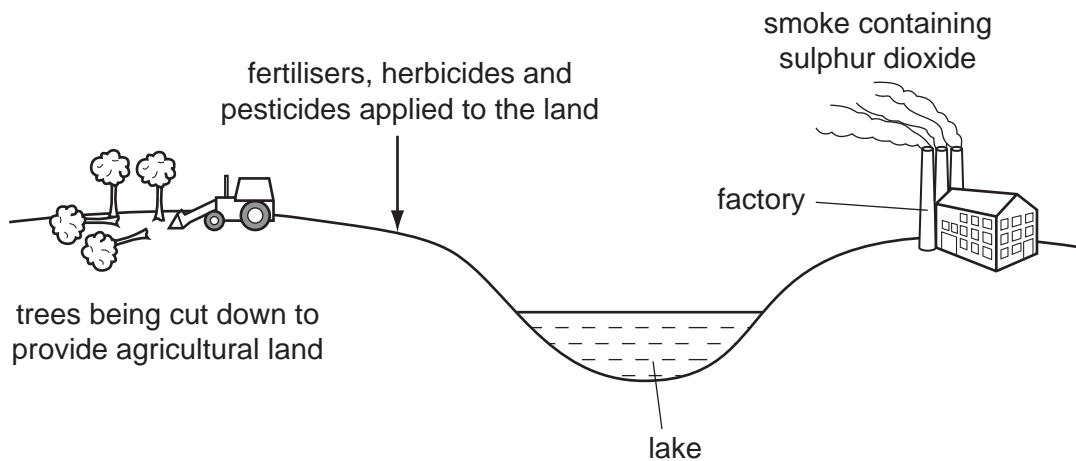
year	1	1980	1990
carbon dioxide/parts per million	300	330	370

What is the most likely cause of this change?

- A destruction of rainforests
- B increased use of fertilisers containing nitrogen
- C pollution of air by sulphur dioxide
- D rise in the sea level

- 4 Which human activity helps to prevent the extinction of animal species?
- A creating more farmland
 - B creating nature reserves
 - C destroying natural habitats
 - D extracting natural resources

- 5 The diagram shows an area being developed for industry and agriculture.



Which would be the most likely to cause an initial increase in plant life in the lake?

- A fertilisers
 - B herbicides
 - C pesticides
 - D smoke
- 6 A pollutant causes a type of plant to lose its green colour.

How will this pollutant affect plants of this type over a long period of time?

- A Colourless mutants will survive.
- B Larger leaves will be produced.
- C There will be no long-lasting effects.
- D This type of plant will not survive.