

## Passive tenses environmental quiz

From your general knowledge or just by guessing, fill the gaps of at least ten of the sentences below, starting with the easiest ones if you like. Some words can be used in more than one place below. The data comes from Wikipedia and online environmental quizzes.

- 1.2 million people die early each year in \_\_\_\_\_ because of air pollution.
- 137 species in tropical forests become extinct every \_\_\_\_\_.
- 27,000 trees are cut down each day to make \_\_\_\_\_.
- 3,590,984,325 cubic meters of \_\_\_\_\_ has been produced so far this year.
- 35% of the world's rubbish (= trash = garbage) landfills consist of materials from \_\_\_\_\_.
- 40% of the world's drinking water comes from \_\_\_\_\_.
- 80 \_\_\_\_\_ aluminium cans are used by humans every year. All could be recycled.
- A study of 70-year old citizens in Tokyo over five years showed that the presence of \_\_\_\_\_ in a neighbourhood means a lower death rate.
- All \_\_\_\_\_ in the United Kingdom are made from 100% recycled materials.
- Americans throw away two billion disposable \_\_\_\_\_ every year.
- Americans use 2,500,000 plastic bottles every \_\_\_\_\_.
- An automatic dishwasher uses \_\_\_\_\_ hot water than doing dishes by hand.
- By recycling paper and cardboard, the United Kingdom saves 11 \_\_\_\_\_ tonnes of greenhouse gas emissions.
- California spends \$300 million on cleaning \_\_\_\_\_ from its beaches every year.
- Californians have recycled over 120 billion bottles and \_\_\_\_\_, enough to circle the Earth 375 times.
- China, United States, Russia, India, Mexico, and \_\_\_\_\_ lead the world in air pollution emissions.
- During the Great Smog of 1952 in London at least 4000 people were \_\_\_\_\_ by air pollution.
- Europe spent €406 \_\_\_\_\_ on importing fossil fuels in 2011.
- Fossil fuels provided 79.6% of worldwide \_\_\_\_\_ in 2002.
- Glaciers in Greenland show signs of increases in \_\_\_\_\_ because of ancient Greek, Roman and Chinese metal production.
- Hurricanes often cause water \_\_\_\_\_ from sewage.
- In 2000, about 17 \_\_\_\_\_ tonnes of radioactive material such as uranium were released worldwide from burning coal.
- In 2007, China overtook \_\_\_\_\_ as the world's biggest producer of CO<sub>2</sub>.
- Japan's Cool Biz program encourages setting \_\_\_\_\_ at 28-degrees Celsius and allows employees to dress casually in the summer.
- \_\_\_\_\_ has the most green space of any large capital city in the world.
- Lord Northbourne first used the term \_\_\_\_\_ farming in his book Look to the Land in 1939.

27. More than seven billion rolls of \_\_\_\_\_ are sold every year in the United States.
28. One fleece can be made from just 25 recycled \_\_\_\_\_.
29. One million creatures are killed by plastic materials in \_\_\_\_\_ every year.
30. Only 1% of our planet's \_\_\_\_\_ supply can be used.
31. Only 1% of plastic shopping bags are \_\_\_\_\_.
32. Organic products accounted for 11.4% of all fruit and vegetables that were sold in \_\_\_\_\_ in the year 2009.
33. \_\_\_\_\_ takes 450 years just to begin decomposing. It takes another 50 to 80 years to be completely decomposed. This also means that every single piece ever made in the history of the world has not even started to decompose yet.
34. Air pollution first became a problem in London in the \_\_\_\_\_ century.
35. Rainforests are cut down at a rate of 100 acres per \_\_\_\_\_.
36. Recycled \_\_\_\_\_ only creates 25% of the pollution that making it from new would.
37. Recycling one glass bottle saves enough energy to power a light bulb for four \_\_\_\_\_.
38. Roll-based \_\_\_\_\_ was first sold in 1883.
39. Since 2000, Italian schools and hospitals have had to use \_\_\_\_\_ food.
40. The burning of \_\_\_\_\_ produces around 21.3 billion tonnes of CO2 per year.
41. The \_\_\_\_\_ buy the most organic milk in the world.
42. The EU has promised to cut its annual \_\_\_\_\_ by 20% by 2020.
43. The modern lightweight plastic shopping bag was invented by the Swedish engineer Sten Gustaf Thulin in the early 19\_\_\_\_\_s.
44. The planet's population \_\_\_\_\_ by 77 million a year.
45. The U.S. produces about \_\_\_\_\_% of the world's waste.
46. Up to 1 \_\_\_\_\_ plastic bags are used each year worldwide.
47. Water pollution causes approximately 14,000 deaths per \_\_\_\_\_.
48. When a newspaper is recycled, it takes seven \_\_\_\_\_ to become a brand new one.

*Choose one of the questions above which you are very sure about the answer of and read out the whole sentence. Continue around the class until your teacher tells you to stop. You can't write anything when you are checking the answers, but try to remember all the correct answers for the next stage.*

*Use the mixed words on the next page to fill all the gaps above.*

## Mixed answers

Use the mixed-up answers below to fill all the gaps above, then check with the answer key on the next page. Some words need to be used more than once.

- 13<sup>th</sup>
- 40
- 60
- air conditioners
- billion
- cans
- China
- Chinese
- day
- days
- energy
- energy consumption
- fossil fuels
- green space
- grows
- hour
- hours
- Japan
- killed
- less
- London
- million
- minute
- newspapers
- organic
- packaging
- paper
- plastic
- plastic bottles
- pollution
- razors
- recycled
- rubbish
- the sea
- the United States
- thousand
- toilet paper
- trillion
- water
- wood

### Suggested answers

1. 1.2 million people die early each year in **China** because of air pollution.
2. 137 species in tropical forests become extinct every **day**.
3. 27,000 trees are cut down each day to make **toilet paper**.
4. 3,590,984,325 cubic meters of **wood** has been produced so far this year.
5. 35% of the world's rubbish (= trash = garbage) landfills consist of materials from **packaging**.
6. 40% of the world's drinking water comes from **plastic bottles**.
7. 80 **trillion** aluminium cans are used by humans every year. All could be recycled.
8. A study of 70-year old citizens in Tokyo over five years showed that the presence of **green space** in a neighbourhood means a lower death rate.
9. All **newspapers** in the United Kingdom are made from 100% recycled materials.
10. Americans throw away two billion disposable **razors** every year.
11. Americans use 2,500,000 plastic bottles every **hour**.
12. An automatic dishwasher uses **less** hot water than doing dishes by hand.
13. By recycling paper and cardboard, the United Kingdom saves 11 **million** tonnes of greenhouse gas emissions.
14. California spends \$300 million on cleaning **rubbish** from its beaches every year.
15. Californians have recycled over 120 billion bottles and **cans**, enough to circle the Earth 375 times.
16. China, United States, Russia, India, Mexico, and **Japan** lead the world in air pollution emissions.
17. During the Great Smog of 1952 in London at least 4000 people were **killed** by air pollution.
18. Europe spent €406 **billion** on importing fossil fuels in 2011.
19. Fossil fuels provided 79.6% of worldwide **energy** in 2002.
20. Glaciers in Greenland show signs of increases in **pollution** because of ancient Greek, Roman and Chinese metal production.
21. Hurricanes often cause water **pollution** from sewage.
22. In 2000, about 17 **thousand** tonnes of radioactive material such as uranium were released worldwide from burning coal.
23. In 2007, China overtook **the United States** as the world's biggest producer of CO<sub>2</sub>.
24. Japan's Cool Biz program encourages setting **air conditioners** at 28-degrees Celsius and allows employees to dress casually in the summer.
25. **London** has the most green space of any large capital city in the world.
26. Lord Northbourne first used the term **organic** farming in his book Look to the Land in 1939.
27. More than seven billion rolls of **toilet paper** are sold every year in the U.S.
28. One fleece can be made from just 25 recycled **plastic bottles**.
29. One million creatures are killed by plastic materials in **the sea** every year.
30. Only 1% of our planet's **water** supply can be used.
31. Only 1% of plastic shopping bags are **recycled**.
32. Organic products accounted for 11.4% of all fruit and vegetables that were sold in **the US** in the year 2009.
33. **Plastic** takes 450 years just to begin decomposing. It takes another 50 to 80 years to be completely decomposed. This also means that every single piece ever made in the history of the world has not even started to decompose yet.

34. Air pollution first became a problem in London in the **13th** century.
35. Rainforests are cut down at a rate of 100 acres per **minute**.
36. Recycled **paper** only creates 25% of the pollution that making it from new would.
37. Recycling one glass bottle saves enough energy to power a light bulb for four **hours**.
38. Roll-based **toilet paper** was first sold in 1883.
39. Since 2000, Italian schools and hospitals have had to use **organic** food.
40. The burning of **fossil fuels** produces around 21.3 billion tonnes of CO2 per year.
41. The **Chinese** buy the most organic milk in the world.
42. The EU has promised to cut its annual **energy consumption** by 20% by 2020.
43. The modern lightweight plastic shopping bag was invented by the Swedish engineer Sten Gustaf Thulin in the early **1960s**.
44. The planet's population **grows** by 77 million a year.
45. The U.S. produces about **40%** of the world's waste.
46. Up to 1 **trillion** plastic bags are used each year worldwide.
47. Water pollution causes approximately 14,000 deaths per **day**.
48. When a newspaper is recycled, it takes seven **days** to become a brand new one.

*Ask about any sentences which you don't understand, think could also be completed with different words, etc.*

### Passive tenses grammar practice

Without looking above, put the verbs in the right tenses into the gaps below. Some may not need to be changed to be correct.

1. 1.2 million people \_\_\_\_\_ (die) early each year in **China** because of air pollution.
2. 137 species in tropical forests \_\_\_\_\_ (become) extinct every **day**.
3. 27,000 trees \_\_\_\_\_ (cut down) each day to make **toilet paper**.
4. 3,590,984,325 cubic meters of **wood** \_\_\_\_\_ (produce) so far this year.

Check your answers above or as a class.

Why is the passive voice or active voice used in each example above? How do you make different passive tenses?

Do the same with the examples below:

5. 35% of the world's rubbish landfills \_\_\_\_\_ (consist) of materials from **packaging**.
6. 40% of the world's drinking water \_\_\_\_\_ (come) from **plastic bottles**.
7. 80 **trillion** aluminium cans \_\_\_\_\_ (use) by humans every year.
8. A study of 70-year old citizens in Tokyo over five years showed that the presence of **green space** in a neighbourhood \_\_\_\_\_ (mean) a lower death rate.
9. All **newspapers** in the United Kingdom \_\_\_\_\_ (make) from 100% recycled materials.
10. American \_\_\_\_\_ (throw away) two billion disposable **razors** every year.
11. Americans \_\_\_\_\_ (use) 2,500,000 plastic bottles every **hour**.
12. An automatic dishwasher \_\_\_\_\_ (use) **less** hot water than doing dishes by hand.
13. By recycling paper and cardboard, the United Kingdom \_\_\_\_\_ (save) 11 **million** tonnes of greenhouse gas emissions.
14. California \_\_\_\_\_ (spend) \$300 million on cleaning **rubbish** from its beaches every year.
15. Californians \_\_\_\_\_ (recycle) over 120 billion bottles and **cans**, enough to circle the Earth 375 times.
16. China, United States, Russia, India, Mexico, and **Japan** \_\_\_\_\_ (lead) the world in air pollution emissions.
17. During the Great Smog of 1952 in London at least 4000 people \_\_\_\_\_ (**kill**) by air pollution.
18. Europe \_\_\_\_\_ (spend) €406 **billion** on importing fossil fuels in 2011.
19. Fossil fuels \_\_\_\_\_ (provide) 79.6% of worldwide **energy** in 2002.
20. Glaciers in Greenland \_\_\_\_\_ (show) signs of increases in **pollution** because of ancient Greek, Roman and Chinese metal production.
21. Hurricanes often \_\_\_\_\_ (cause) water **pollution** from sewage.
22. In 2000, about 17 **thousand** tonnes of radioactive material such as uranium \_\_\_\_\_ (release) worldwide from burning coal.
23. In 2007, China \_\_\_\_\_ (overtake) **the United States** as the world's biggest producer of CO<sub>2</sub>.
24. Japan's Cool Biz program \_\_\_\_\_ (encourage) setting **air conditioners** at 28-degrees Celsius and allows employees to dress casually in the summer.

25. **London** \_\_\_\_\_  
(have) the most green space of any large capital city in the world.
26. Lord Northbourne first \_\_\_\_\_  
(use) the term **organic** farming in his book Look to the Land in 1939.
27. More than seven billion rolls of **toilet paper** \_\_\_\_\_  
(sell) every year in the U.S.
28. One fleece can \_\_\_\_\_  
(make) from just 25 recycled **plastic bottles**.
29. One million creatures \_\_\_\_\_  
(kill) by plastic materials in **the sea** every year.
30. Only 1% of our planet's **water** supply can \_\_\_\_\_ (use).
31. Only 1% of plastic shopping bags \_\_\_\_\_ (recycle).
32. Organic products accounted for 11.4% of all fruit and vegetables that \_\_\_\_\_  
(sell) in **the US** in the year 2009.
33. **Plastic** \_\_\_\_\_  
(take) 450 years just to begin decomposing.
34. Air pollution first \_\_\_\_\_  
(become) a problem in London in the **13th** century.
35. Rainforests \_\_\_\_\_  
(cut down) at a rate of 100 acres per **minute**.
36. Recycled **paper** only \_\_\_\_\_  
(create) 25% of the pollution that making it from new would.
37. Recycling one glass bottle \_\_\_\_\_  
(save) enough energy to power a light bulb for four **hours**.
38. Roll-based **toilet paper** \_\_\_\_\_ (first sell) in 1883.
39. Since 2000, Italian schools and hospitals \_\_\_\_\_  
(have to) use **organic** food.
40. The burning of **fossil fuels** \_\_\_\_\_  
(produce) around 21.3 billion tonnes of CO2 per year.
41. The **Chinese** \_\_\_\_\_ (buy) the most organic milk in the world.
42. The EU \_\_\_\_\_  
(promise) to cut its annual **energy consumption** by 20% by 2020.
43. The modern lightweight plastic shopping bag \_\_\_\_\_  
(invent) by the Swedish engineer Sten Gustaf Thulin in the early **1960s**.
44. The planet's population \_\_\_\_\_ (**grow**) by 77 million a year.
45. The U.S. \_\_\_\_\_ (produce) about **40%** of the world's waste.
46. Up to 1 **trillion** plastic bags \_\_\_\_\_ (use) each year worldwide.
47. Water pollution \_\_\_\_\_  
(cause) approximately 14,000 deaths per **day**.
48. When a newspaper \_\_\_\_\_  
(recycle), it takes seven **days** to become a brand new one.

*Check back with the first worksheet.*

*Make similar quiz questions from your own knowledge or some research.*