

Reading Comprehension

Read the following text and develop the points proposed.

Blue jeans pollute water by releasing 50,000 microfibrils per wash¹

They may be a comfortable, convenient choice for those working at home, but blue jeans could be harming the planet.

Microfibrils of indigo denim have been discovered in vast quantities in water samples taken across Canada, from Toronto up to the Arctic. Some of the microfibrils were found at a depth of 1500 metres, and the researchers say this means that they are able to withstand travelling long distances. The highest concentrations of jean microfibrils were found in shallow suburban lakes.

"The finding of fibres in the Arctic is symbolic of the spread of human impact," says Miriam Diamond at the University of Toronto.

Separately, the researchers also monitored how many microfibrils are lost from a pair of jeans during the average wash. They found that around 50,000 microfibrils were sloughed off from the surface of jeans every time they were cleaned.

Denim picks up chemicals and jeans are chemically treated during production. "What impact that chemical modification has is a question that remains to be answered," says Athey. "But they're so abundant we should look at it." In the meantime, the team advises that you wash your jeans less. One jeans company, whose products were used in the study, suggests a wash once a month.

Journal reference: *Environmental Science & Technology Letters*, DOI: [10.1021/acs.estlett.0c00498](https://doi.org/10.1021/acs.estlett.0c00498)

1. Indicate if the following statements are true or false.

- | | | |
|---|------|-------|
| a. Even if jeans are comfortable, they are polluting the world. | True | false |
| b. Jeans have been found in the waters of Canada. | True | false |
| c. Microfibrils can travel long distances in water. | True | false |

2. Choose the correct option.

- a. In an average wash, jeans lose
- Microfibrils
 - Color
 - Density
- b. Chemicals are used in jeans

¹: <https://www.newscientist.com/article/2253421-blue-jeans-pollute-water-by-releasing-50000-microfibrils-per-wash/#ixzz6XK8CZVYc>

During its elaboration
While coloring
At the beginning of the production
At the end of the elaboration

c. It is recommended to wash jeans:

Once a week
Twice a year
Every weekend
Once a month

3. Complete the following paragraph with words from the text:

Jeans have been considered as one of the most _____ and convenient clothes but they are _____ the planet because of the _____ released during each _____.