



Eco-friendly Black Wood Hair Conditioner: Strong Scent, Gentle Treatment

Description

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A new eco-friendly hair conditioner made from wood could be the future of haircare. Scientists in Sweden created it using lignin, a substance found in wood, which also protects against UV rays and moisturizes hair.

The conditioner, combined with coconut oil and water, performed almost as well as commercial products in tests. It reduced hair tangling by 13% compared to a commercial conditioner's 20%. However, it has a black color and a peat-like smell, which might not appeal to everyone.

The researchers are hopeful about commercializing the wood-based conditioner as a sustainable alternative to fossil fuel-based products. They have a patent for the formula and plan to conduct further tests for skin and eye safety before moving forward.

Despite some doubts from experts, the team believes in the product's potential. The question remains whether consumers would embrace a black, wood-scented conditioner as a part of their haircare routine.

Vocabulary List:

1. **Eco-friendly** /i:ˌkoʊˈfrɛnd.li/ (adjective): Not harmful to the environment; sustainable.
2. **Lignin** /ˈliːɡ.nɪn/ (noun): A complex organic polymer found in the cell walls of plants; provides structural support.
3. **Moisturizes** /ˈmɔɪs.tʃə.aɪz/ (verb): To make something less dry or to add moisture.
4. **Commercial** /kəˈmɜːr.jəl/ (adjective): Related to or engaged in commerce or business.
5. **Sustainable** /səˈsteɪ.nə.bəl/ (adjective): Capable of being maintained at a certain rate or level; environmentally friendly.
6. **Patent** /ˈpeɪ.tənt/ (noun): A government authority or license conferring a right or title for a set period especially the sole right to exclude others from making using or selling an invention.

Comprehension Questions

Multiple Choice

1. What substance found in wood is used to create the eco-friendly hair conditioner?

- Option: Lignin
- Option: Coconut oil
- Option: Water
- Option: Peat

2. How much did the wood-based conditioner reduce hair tangling compared to a commercial conditioner?

- Option: 5%



- Option: 13%
- Option: 20%
- Option: 30%

3. What color is the wood-based conditioner?

- Option: Black
- Option: White
- Option: Brown
- Option: Green

4. What is one of the concerns regarding the appeal of the wood-based conditioner?

- Option: Color and smell
- Option: Packaging
- Option: Ingredients
- Option: Price

5. What step do the researchers plan to take before commercializing the wood-based conditioner?

- Option: Conduct skin and eye safety tests
- Option: Release the product immediately
- Option: Change the formula
- Option: Increase the production cost

6. What is the potential benefit of using wood-based conditioner instead of fossil fuel-based products?

- Option: Sustainability
- Option: Lower cost
- Option: Faster results
- Option: More fragrance choices

True-False

- 7. The wood-based conditioner performed better than commercial products in tests.
- 8. The researchers do not have a patent for the formula of the wood-based conditioner.
- 9. Consumers may have concerns about the color and smell of the wood-based conditioner.
- 10. The team is not confident in the potential of the wood-based conditioner.



11. The wood-based conditioner is expected to be a sustainable alternative to fossil fuel-based products.
12. The wood-based conditioner has a pleasant floral scent.

Gap-Fill

14. The wood-based conditioner reduced hair tangling by _____ compared to a commercial conditioner.
15. The wood-based conditioner has a _____ color.
16. The researchers plan to conduct further tests for _____ safety before moving forward.
17. Consumers might not embrace a black, wood-scented conditioner as a part of their haircare routine due to the _____ and smell.
18. The researchers have a _____ for the formula of the wood-based conditioner.

Answer

Multiple Choice: 1. Lignin 2. 13% 3. Black 4. Color and smell 5. Conduct skin and eye safety tests 6. Sustainability

True-False: 7. False 8. False 9. True 10. False 11. True 12. False

Gap-Fill: 14. 13% 15. Black 16. skin and eye 17. color 18. patent

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. Which type of products are considered environmentally sustainable and safe for ecosystems?



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- Option: Biodegradable
Option: Hazardous
Option: Toxic
Option: Synthetic
2. What provides legal protection for a new invention or process?
Option: Intellectual Property
Option: Copyright
Option: Trademark
Option: Open Source
3. What are distinctive qualities or characteristics of a product or service?
Option: Bug
Option: Flaw
Option: Disadvantage
Option: Attribute
4. Which type of cancer primarily affects children?
Option: Breast Cancer
Option: Prostate Cancer
Option: Lung Cancer
Option: Neuroblastoma
5. What describes something made by humans and not occurring naturally?
Option: Organic
Option: Authentic
Option: Natural
Option: Artificial
6. Which term refers to improvements or progress in a particular area?
Option: Decline
Option: Regress
Option: Stagnation
Option: Advancements
7. Which element has the chemical symbol "H" and atomic number 1?
Option: Helium
Option: Carbon
Option: Oxygen
Option: Hydrogen
8. What is the right to keep personal information protected from misuse?
Option: Transparency



- Option: Confidentiality
- Option: Disclosure
- Option: Privacy

9. What substance increases the rate of a chemical reaction without undergoing permanent changes itself?

- Option: Inhibitor
- Option: Modifier
- Option: Reactant
- Option: Catalyst

10. What is a renewable fuel produced by fermentation of sugars from crops like corn or sugarcane?

- Option: Petrol
- Option: Diesel
- Option: Natural Gas
- Option: Bioethanol

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The company reported a significant increase in _____ this quarter.
12. The candidate's _____ and problem-solving skills were impressive.
13. The new software provides secure _____ to the database.
14. There is growing _____ about the impact of climate change on wildlife.
15. Please submit your _____ for vacation days in writing.
16. It is essential to _____ sensitive data to protect it from unauthorized access.
17. She is a strong _____ for animal rights and environmental conservation.
18. The new marketing campaign aims to _____ a younger audience.
19. The thrilling announcement is sure to _____ fans worldwide.
20. Their performance at the concert was truly _____ receiving a standing ovation.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Lignin is a complex organic polymer that hardens and strengthens the cell walls of plants.



22. This lotion deeply the skin keeping it hydrated and soft.
23. Sustainable practices aim to meet current needs without compromising the ability of future generations to meet their needs.
24. The company's new ad campaign targets a broader audience to increase sales.
25. The genetically crops showed increased resistance to pests.
26. The team praised her quick to the emergency situation.
27. Reducing emissions of is crucial in combating climate change.
28. Vinegar is primarily composed of water and .
29. The company's new AI system demonstrates advanced artificial .
30. Using as a fuel source can help reduce reliance on fossil fuels.

Answer

Multiple Choice: 1. Biodegradable 2. Intellectual Property 3. Attribute 4. Neuroblastoma 5. Artificial 6. Advancements 7. Hydrogen 8. Privacy 9. Catalyst 10. Bioethanol

Gap-Fill: 11. revenue 12. intelligence 13. access 14. concern 15. request 16. encrypt 17. advocate 18. attract 19. excite 20. exceptional

Matching sentence: 1. Lignin 2. Moisturizes 3. Sustainable 4. Commercial 5. Modified 6. Response 7. Greenhouse gases 8. Acetic acid 9. Intelligence 10. Bioethanol

CATEGORY

1. Sci/Tech - LEVEL2

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