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Crash Course Biology #45: Animal Defense Systems: How Skin, Snot, and Cells Keep Us Healthy

Name: _____ Date: _____

You can access the video here → <https://youtu.be/Nb6cWRm8Dw?si=s9m39RwEaveig9>

1. The good news is having wet hair when it's cold outside doesn't cause _____ illness.
2. The only things that cause illness are _____, which can be viruses or bacteria.
3. The first layer of an animal's built-in defense system is called the _____ system.
4. The _____, along with nails, feathers, and scales, help protect the body from injury and disease.
5. The _____ mixture produced by skin helps kill pathogens and keeps the skin oily.
6. Openings like mouths and noses allow pathogens into the _____ and _____ tracts.
7. A layer of _____ helps trap pathogens before they enter deeper into the body.
8. Special white blood cells called _____ cells can surround and consume pathogens.
9. _____ cells attack microbial infections and cancerous tumors using poison molecules.
10. When an area of the body becomes swollen and warm due to immune response, it is called _____.
11. A whole-body immune response that raises body temperature to slow pathogen growth is called a _____.
12. An infection without symptoms is referred to as an _____ infection.
13. The _____ system includes vessels and nodes that house immune cells and help balance body fluids.
14. Immune cells recognize and remember specific pathogens as part of the _____ immune response.
15. Molecules called _____ flag pathogens for destruction and prevent them from spreading.

15 Questions

Crash Course Biology #45: Animal Defense Systems: How Skin, Snot, and Cells Keep Us Healthy – KEY

1. The good news is having wet hair when it's cold outside doesn't cause **contagious** illness.
2. The only things that cause illness are **pathogens**, which can be viruses or bacteria.
3. The first layer of an animal's built-in defense system is called the **integumentary** system.
4. The **skin**, along with nails, feathers, and scales, help protect the body from injury and disease.
5. The **sebum** mixture produced by skin helps kill pathogens and keeps the skin oily.
6. Openings like mouths and noses allow pathogens into the **digestive and respiratory** tracts.
7. A layer of **mucus** helps trap pathogens before they enter deeper into the body.
8. Special white blood cells called **scavenger** cells can surround and consume pathogens.
9. **Natural killer** cells attack microbial infections and cancerous tumors using poison molecules.
10. When an area of the body becomes swollen and warm due to immune response, it is called **inflammation**.
11. A whole-body immune response that raises body temperature to slow pathogen growth is called a **fever**.
12. An infection without symptoms is referred to as an **asymptomatic** infection.
13. The **lymphatic** system includes vessels and nodes that house immune cells and help balance body fluids.
14. Immune cells recognize and remember specific pathogens as part of the **adaptive** immune response.
15. Molecules called **antibodies** flag pathogens for destruction and prevent them from spreading.

Answer Key Included

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