

What's Really Bugging You?

Lesson Title: Viruses/Infectious Diseases: What's Really Bugging You?

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Use the *Your Health: The Science Inside* to answer the questions on this sheet.

<http://sciencenetlinks.com/pdfs/yourhealth9-21.pdf>

To begin, read pages 9-12. As you read this resource, think about answers to these questions:

What causes infectious diseases?

What is a virus? Is it a living thing?

What is a bacterium? How is it different from a virus?

Who first discovered what causes illness?

What did he hypothesize?

How does a virus get itself into the human immune system? How does it make us sick?

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Now, you should read pages 13-15. As you read these pages, think about answers to these questions:

What are vectors?

What exactly is our immune system?

What are antibodies?

How can we fight back against these invisible invaders?

What simple preventative measures can we take to avoid getting sick?

What are some of the older viruses?

What are some of the newer viruses and infectious diseases?

What are some of the myths surrounding getting these diseases?

Why is it so hard to cure viruses such as the common cold?

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Finally, you should read pages 16-18. As you read these pages, think about answers to these questions:

What are the two most important tools we have now to fight against contagious diseases?

What are antibiotics?

What are vaccines?

What is penicillin and who discovered it?

Which vaccinations have you had? Are they up-to-date?

Why are some people allergic to antibiotics?

What types of vaccines are there and why is it so important to get vaccinated?