



## Ye Olde Disease Detectives

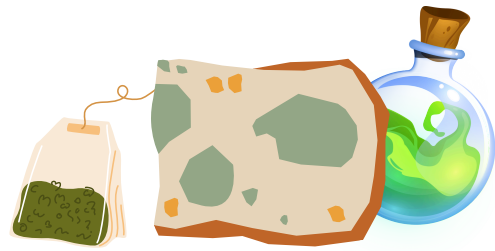
1. What caused the Black Death, also known as the plague?

- Bacteria spread by fleas on rats
- Bad air (miasmas)
- Cursed jewellery
- Eating rotten food



2. What did Alexander Fleming discover that helped treat infections?

- Garlic and wine
- Herbal tea
- Penicillin in mouldy bread
- A magic elixir



3. True or false, leeches can help cure bacterial infections?

- True                       False



4. True or false, penicillin is an antibiotic produced by mould that can help cure bacterial infections?

- True                       False

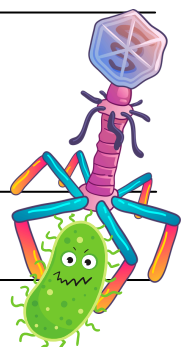
5. There were four old-timey diseases mentioned in the podcast. What are they?

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6. What are bacteriophages, and how might they help cure diseases in future?

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7. We've given you some symptoms. Tell us which disease from today's podcast we're talking about.

a. high fever and rash that can sometimes be deadly

\_\_\_\_\_

b. paralysis and difficulty breathing

\_\_\_\_\_

c. swollen black lumps called buboes

\_\_\_\_\_

d. weakness and bleeding gums.

\_\_\_\_\_

7. Look at the image on the right, which shows an etching of a Plague Doctor's outfit made in Rome in the 1600s .

What can you infer about how people in the 1600s viewed and tried to protect themselves from the Black Death based on this picture? Write down two things you think this outfit tells us about their beliefs and methods.



Source: Wikipedia CC  
[https://en.wikipedia.org/wiki/Plague\\_doctor#/media/File:Paul\\_F%C3%BCrst\\_-\\_Der\\_Doctor\\_Schnabel\\_von\\_Rom\\_\(Holl%C3%A4nder\\_version\).png](https://en.wikipedia.org/wiki/Plague_doctor#/media/File:Paul_F%C3%BCrst_-_Der_Doctor_Schnabel_von_Rom_(Holl%C3%A4nder_version).png)

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8. We now know that scurvy is caused by a lack of Vitamin C, but this wasn't discovered until 1747. It is believed that millions of sailors died from the disease before that. The disease would take hold after two months at sea and seem miraculously cured after a few weeks on land. Talk to a friend about the theories sailors might have had about the cause of the terrible disease. Think about how the environment on a ship might be different from being on land and what superstitions sailors might have had about health and sickness.