

QUESTIONS FOR THE COSMIC KIDS COVID-19 EXPIDITION 2: VACCINE  
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# MILO'S QUESTIONS

## COSMIC KIDS COVID-19 EXPEDITION: VACCINE (AS TOLD BY MILO)



1. What is COVID-19?
2. What are protein spikes?
3. What is a vaccine?
4. How did prior vaccines work to make humans immune to disease?
5. Before the mRNA vaccines, how were vaccines produced?
6. How long did it take to produce the past vaccines?
7. What is the strategy used by the new mRNA vaccines to make the body immune to COVID-19?
8. How are mRNA vaccines produced?

## QUESTIONS FOR THE COSMIC KIDS COVID-19 EXPIDITION 2: VACCINE

9. How long did it take to get the mRNA vaccines ready for clinical trials?
10. What is an immune system?
11. How does your immune system work?
12. What are antibodies?
13. What does it mean to be immune to COVID-19?
14. How long will a person be safe after being vaccinated with the mRNA vaccine?
15. How does the COVID-19 make copies of itself?
16. Why won't the COVID-19 mRNA vaccines make you sick?

## QUESTIONS FOR THE COSMIC KIDS COVID-19 EXPIDITION 2: VACCINE

17. What is DNA?

18. What is a cell?

19. What part of our cells has our DNA?

20. What is RNA?

21. Where are our bodies' factories?

22. What are our bodies' factories called?

23. What is something made in our bodies' factories?

24. How does the mRNA vaccine hijack our bodies' factories?

25. What happens when the vaccine mRNA enters a cell in our bodies?

## QUESTIONS FOR THE COSMIC KIDS COVID-19 EXPIDITION 2: VACCINE

26. How does the bodies' immune system respond to the protein spikes?
27. In the story, what else did the immune system's antibodies attack?
28. How does the COVID-19 virus hijack our bodies' factories?
29. What is messenger RNA or mRNA?
30. How is mRNA normally used in our bodies?
31. What is an mRNA vaccine?
32. How is the vaccine mRNA kept safe before it enters the cells in our bodies?

# THE STARDUST MYSTERY PROJECT

THE STARDUST MYSTERY WEBSITE

<https://TheStardustMystery.com>  
[Educator Page with Science Topics](#)

STARDUST MYSTERY YouTube channel

<https://www.youtube.com/channel/UCa5CQnZA6StFXXvEs418DKg>

Science Videos

Game Trailers

How-To Videos

[Animated Coronavirus Story for Kids 1: How Grandpa got COVID-19](#)

THE STARDUST MYSTERY VIDEO GAMES

<https://Store.SteamPowered.com>

[MissionKT](#)

[Building the Universe](#)

ILLUSTRATED SCIENCE ADVENTURE BOOKS

*THE STARDUST MYSTERY* is on [Amazon](#) and [Barnes & Noble](#)

*THE RACE TO THE BIG BANG* is on [Amazon](#) and [Barnes & Noble](#)

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