

WHY DOES SANTA CLAUS

WEAR A COAT?



This book features QR codes on each page that allow you to listen to the narrator, Santa Claus, the elf, and the viruses telling the story. All you have to do is take a photo of it. Enjoy listening!

**Based on a study: Huang, Di et al. “Cold exposure impairs extracellular vesicle swarm-mediated nasal antiviral immunity.” The Journal of allergy and clinical immunology vol. 151,2 (2023): 509-525.e8.
doi:10.1016/j.jaci.2022.09.037**

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On a Winter evening, in the North Pole, it was time for the Santa Claus to go on his Christmas tour.



Oops, seated in his sleigh, Santa Claus forgot his coat. The nasty viruses will take advantage of it.



« Achoo! ».
He seems to have fallen sick. His nose is all
red.



Doctor Elf comes to the rescue to save the Christmas tour.



He examines it:

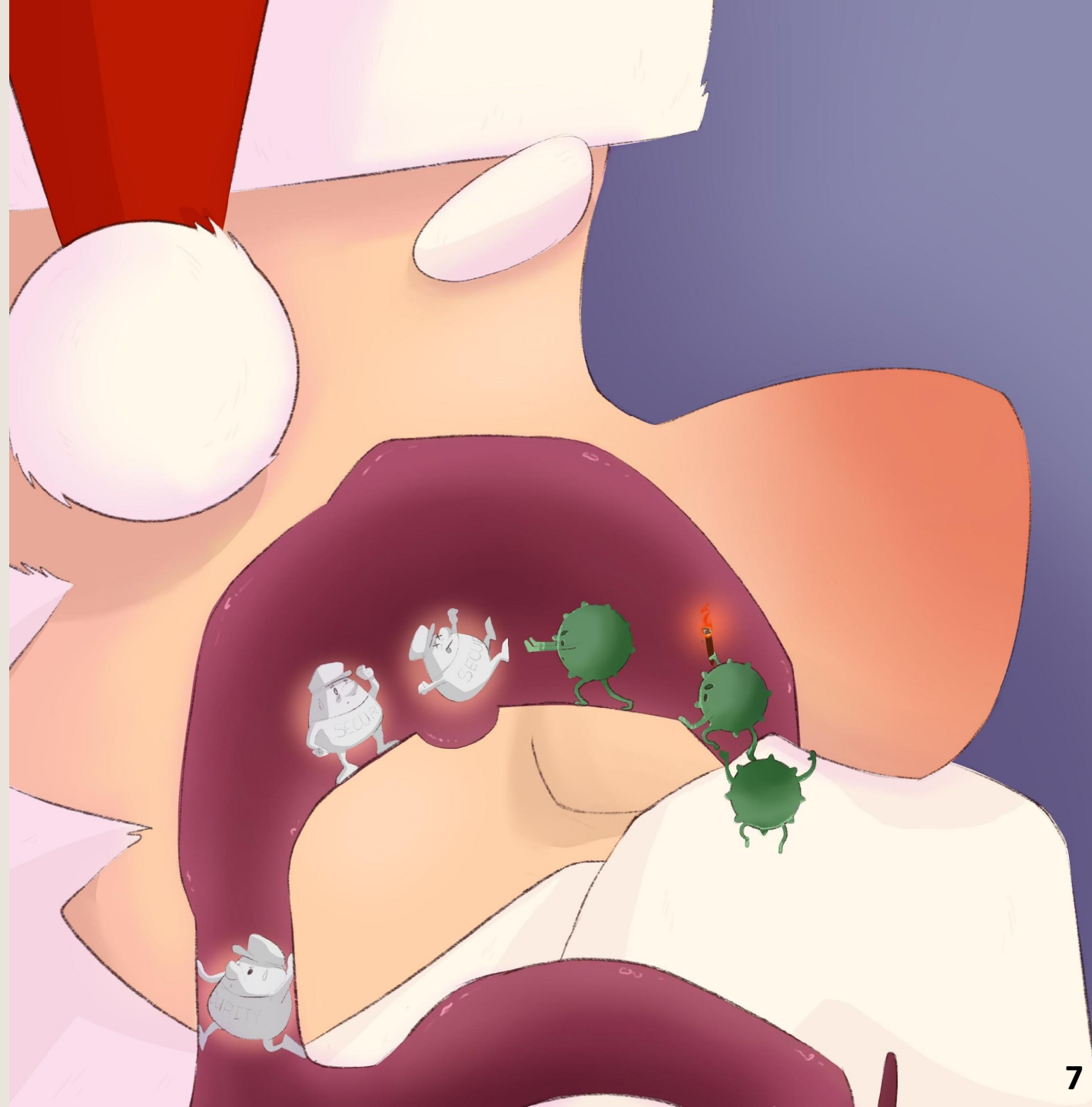
"You've caught a cold, says Doctor Elf.

- But what does it mean to catch a cold, Santa Claus replies.

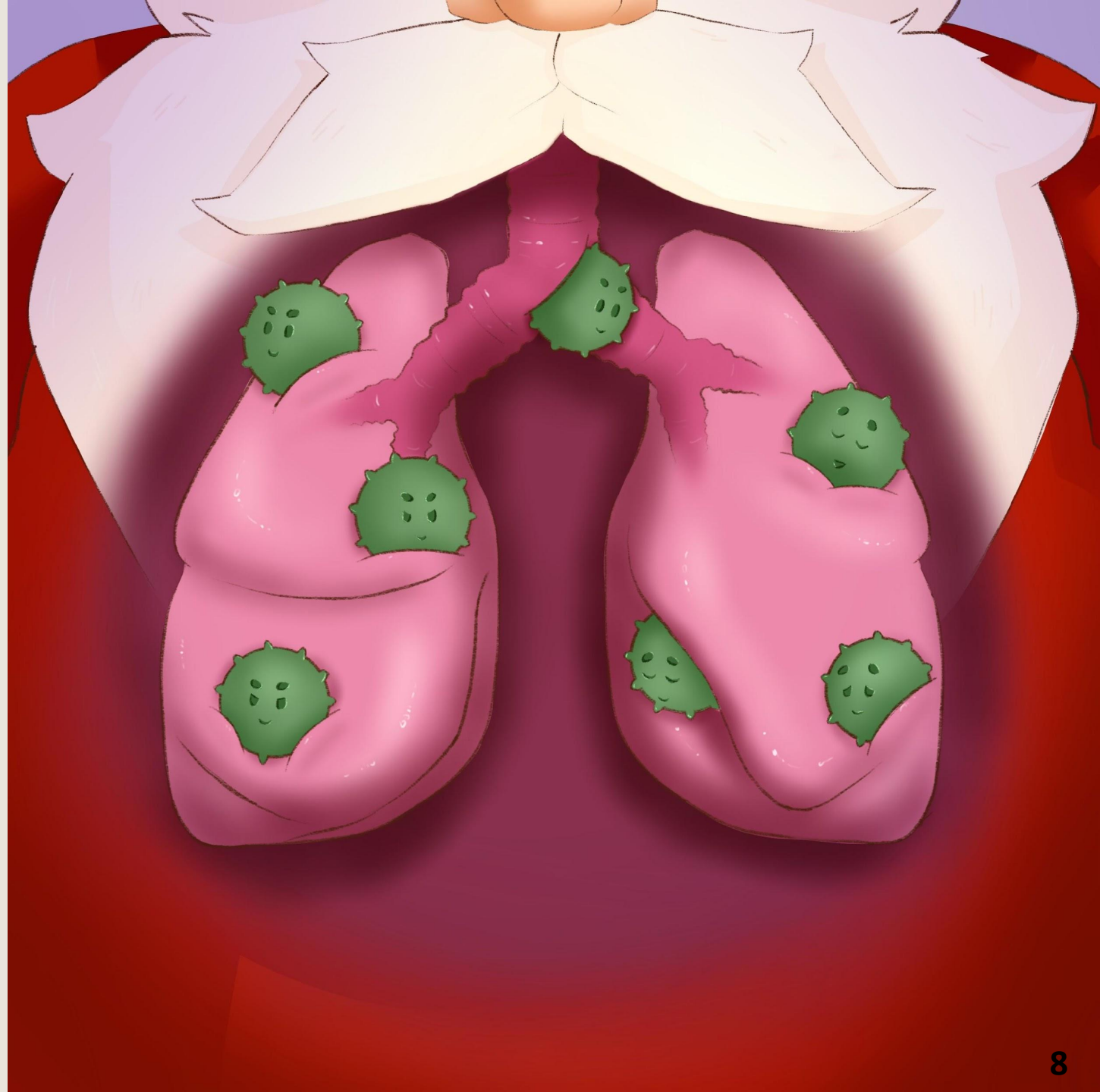
- Catching a cold is when your body's defenses are weakened."



"Yes, Santa Claus, going out without your coat has lowered your body temperature. In your nose, there are sacs that contain defense agents against nasty viruses. When you're cold, these sacs are less effective, allowing viruses to move towards your lungs." Says Doctor Elf.



"Cold causes irritation of the carpets covering your lungs, which act as a barrier. When the carpet is damaged, nasty viruses can penetrate it more easily." Explain Doctor Elf.



HO HO HO, next time Santa will wear his coat.



Santa Claus has learned the lesson and is leaving with his coat. Finally, all the children will have their gifts tonight.



Don't do as I did, cover up well



**Once upon a time, there was the story of Santa Claus
who went on his christmas tour without his coat.**

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