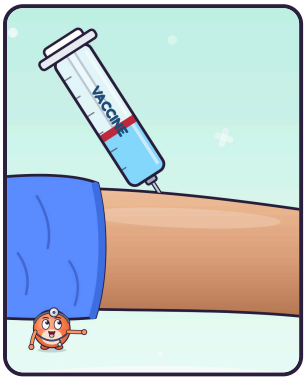


How does a vaccine keep us safe?

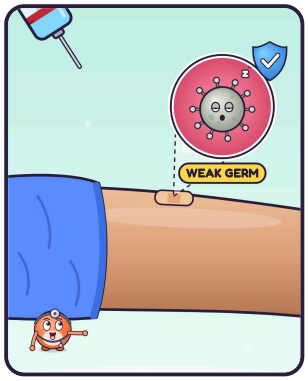
Watch the cartoon, read the 6 steps, then try the quiz!

The answer in 6 steps



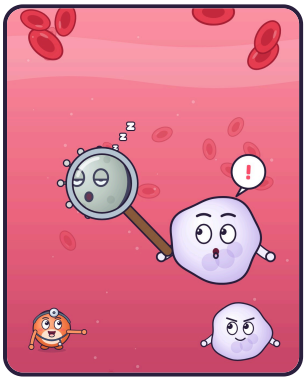
1

A vaccine carries a weak version of a germ, or just a small piece of it.



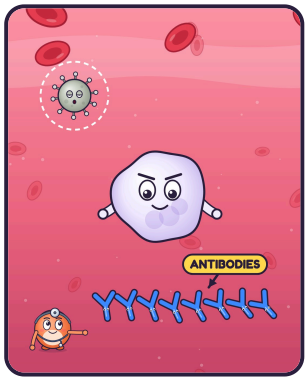
2

This weak version will not cause the disease.



3

Your white blood cells find it and study it closely.



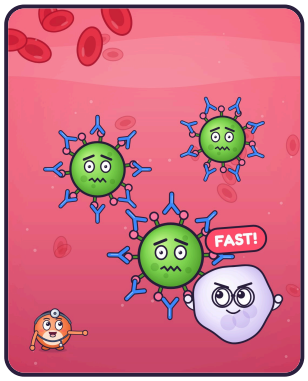
4

They make antibodies: tiny Y-shaped soldiers, each trained to catch this one germ.



5

Memory cells remember the germ, like keeping a WANTED poster.



6

If the real germ comes later, memory cells make antibodies much faster and protect you.

⭐ **Remember: A vaccine helps your body learn to fight a germ before the real germ comes.**

New words

Word	What it means	हिंदी में
Germ	A tiny thing, like a virus or bacteria, that can make you sick	कीटाणु
Vaccine	Helps your body learn to fight one germ	टीका
White blood cells	Your body's defence team	श्वेत रक्त कोशिकाएँ
Antibody	A Y-shaped helper that catches one kind of germ	एंटीबॉडी (प्रतिरक्षी)
Memory cell	A cell that remembers the germ for later	स्मृति कोशिका

Quick quiz

1. What does a vaccine carry?

☐ (a) A strong germ ☐ (b) A weak version of a germ, or a piece of it ☐ (c) Sugar water

2. What shape is an antibody?

☐ (a) O ☐ (b) Y ☐ (c) X

3. Which cells keep the WANTED poster of the germ?

☐ (a) Red blood cells ☐ (b) Memory cells ☐ (c) Skin cells

4. When the real germ comes, memory cells make antibodies much _____.

Try this at home

- Ask your parents to show you your vaccination card. How many vaccines have you had?
- Draw your own antibody soldier in the box and give it a name!

draw here

Answers: 1: (b) A weak version of a germ, or a piece of it · 2: (b) Y · 3: (b) Memory cells · 4: faster