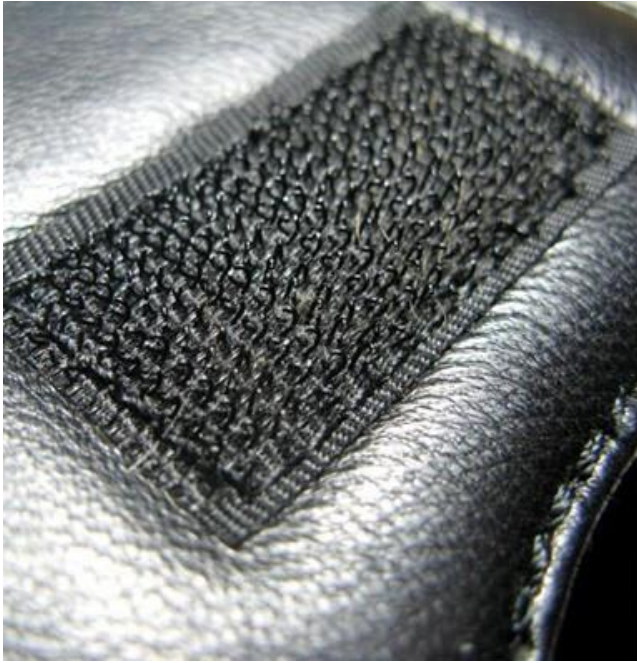


### What Was the Thinking?



<https://bpb-us-e1.wpmucdn.com/sites.psu.edu/dist/c/25788/files/2015/04/velcro.jpg>

An engineer by the name of George de Mestral observed sticky seeds in his dog's fur after walking outside one day. He wondered what made them stick and looked at them under a microscope. He saw tiny "hooks" on the end that helped them stick. This was the idea that led to the tiny hooks on one side of Velcro.



<https://www.wrcsindia.org/post/biomimicry-a-secret-to-survival>



[https://www.nsf.gov/news/news\\_images.jsp?cntn\\_id=100318&org=NSF](https://www.nsf.gov/news/news_images.jsp?cntn_id=100318&org=NSF)

Mussels and strong glue are similar, but humans had to make observations and then create a synthetic (human-made) equivalent. Mussels have the ability to stick to rock surfaces in the water. There were proteins that were observed that scientists created a human-made form of that allows them to have a waterproof glue that is strong.



<https://www.popsci.com/article/science/mussels-inspire-glue-works-underwater/>

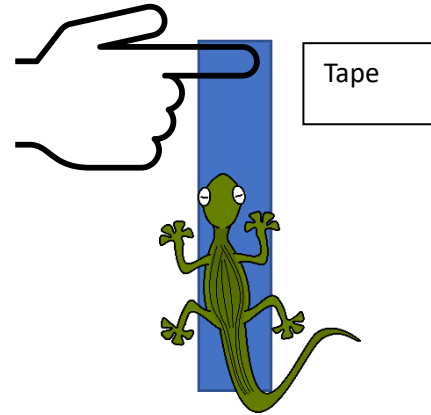
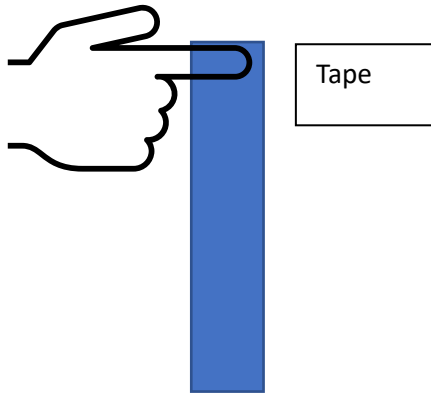


<https://newatlas.com/medical/mussel-glue-stem-cells/>



<https://bioplasticsnews.com/2020/02/25/biobased-super-glue/>

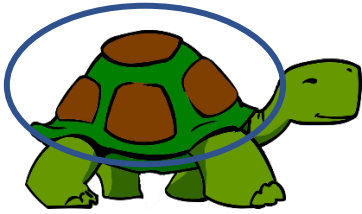
## Stuck to You



| Describe the tape | How many seconds before the Gecko fell off? | Which tape was the stickiest? |
|-------------------|---------------------------------------------|-------------------------------|
|                   |                                             |                               |
|                   |                                             |                               |
|                   |                                             |                               |
|                   |                                             |                               |

## The Idea Came From....

I picked the



Sketch an object that humans use that remind you of the part of the animal circled.