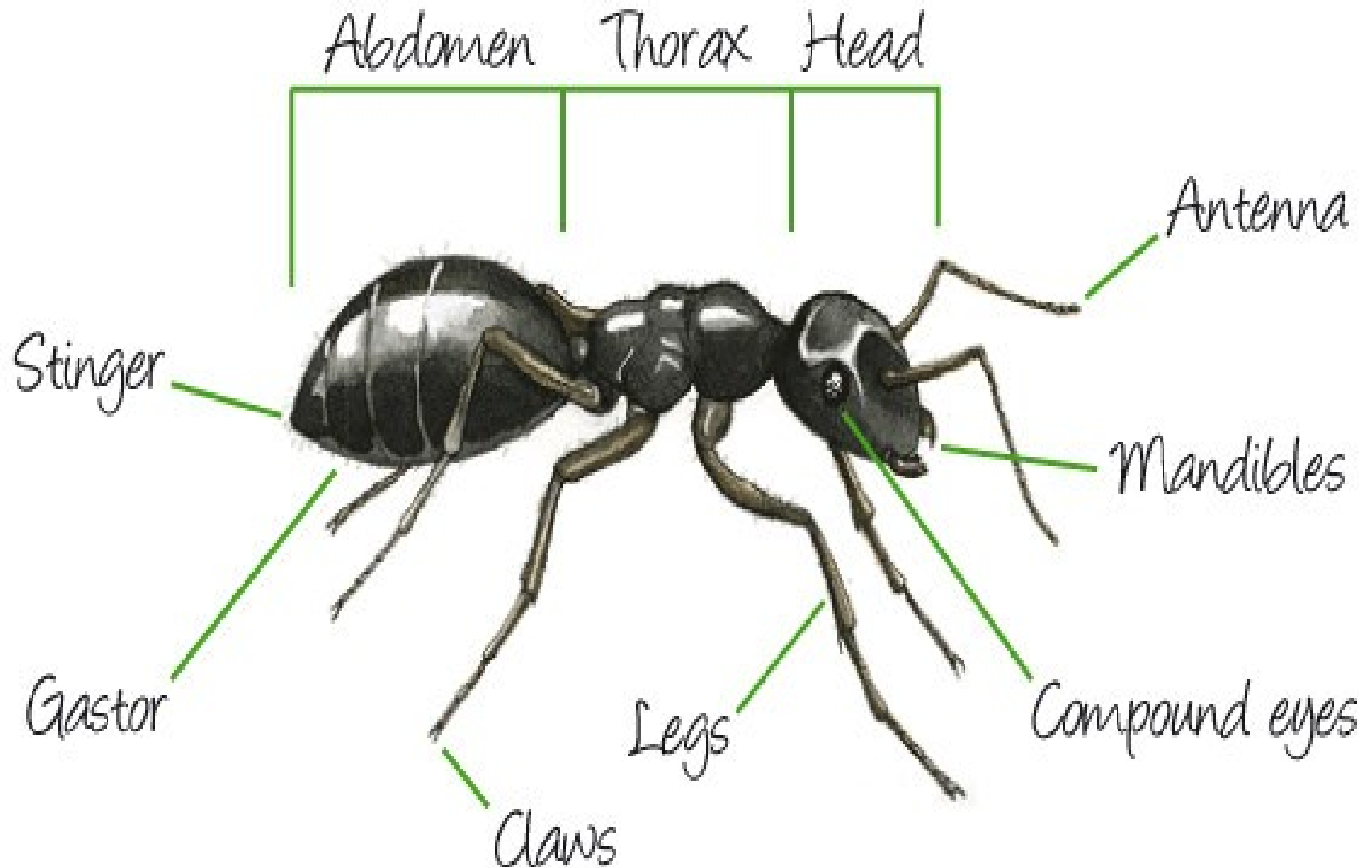


# Ant Structures and Functions



# Ant Adhesion Experiment

	Smooth Surface	Rough Surface
45 degrees		
90 degrees		
180 degrees		

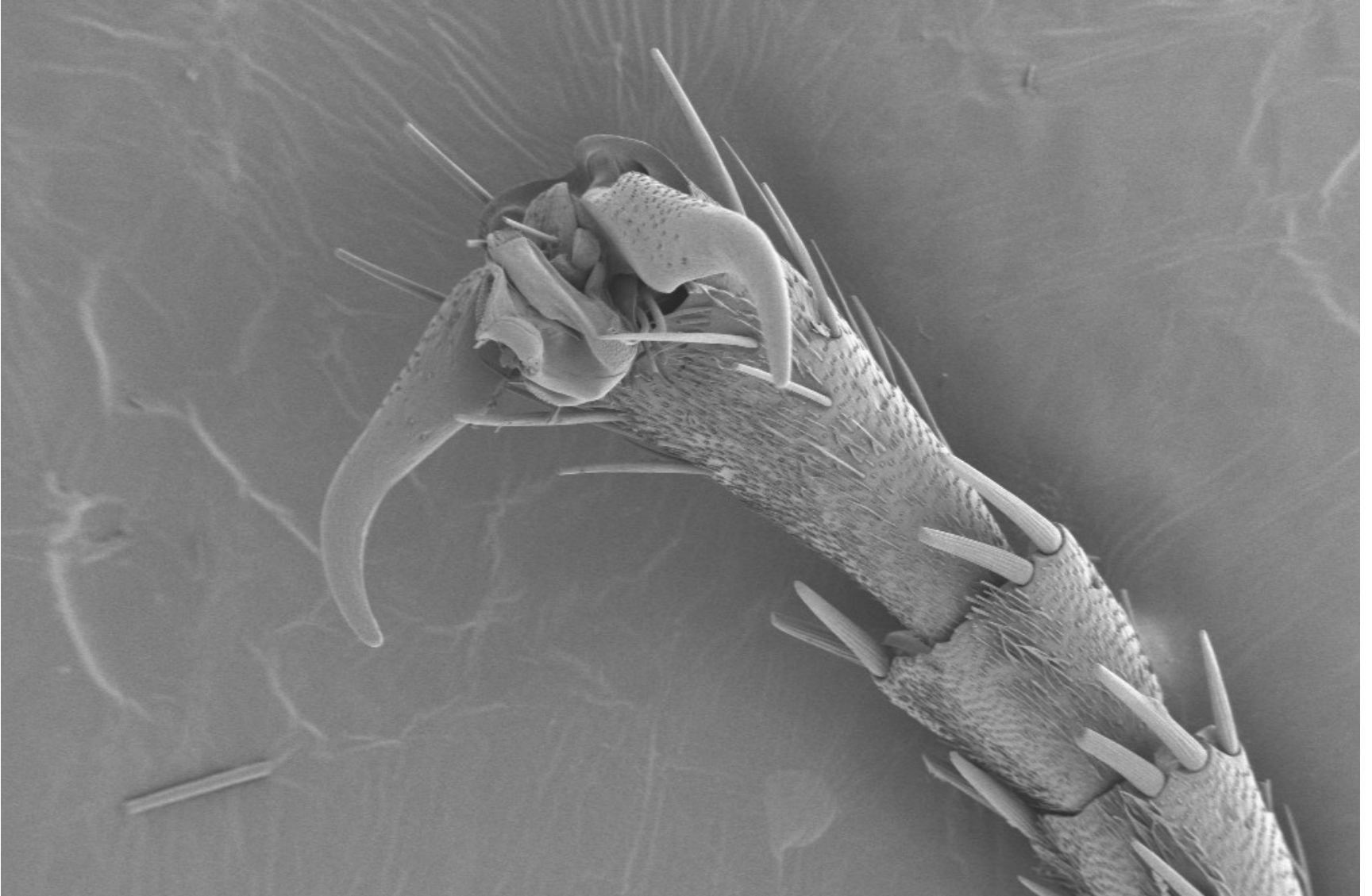
# Ant Adhesion Experiment

What did we observe?

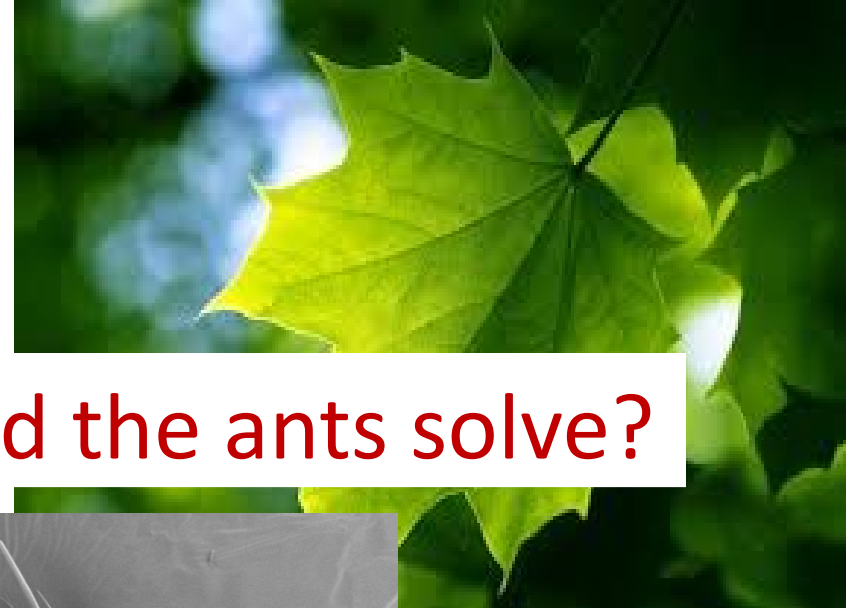
Therefore...



# How do ants stick?



Have you ever had difficulty solving a problem?



**What problem did the ants solve?**





How does nature solve problems?

Biomimicry



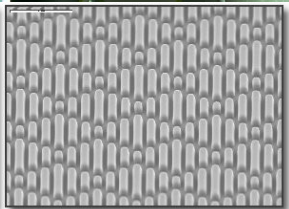
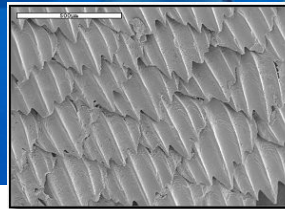
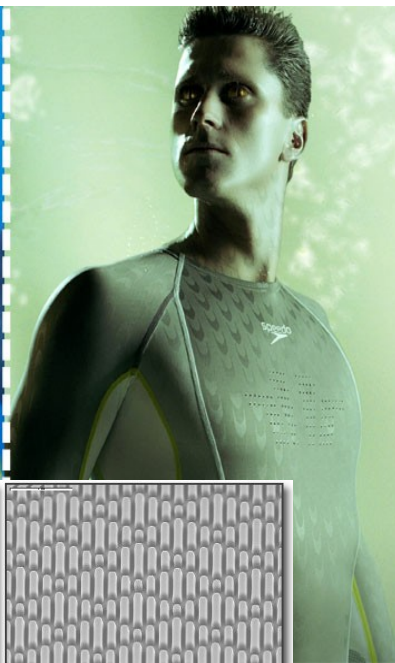
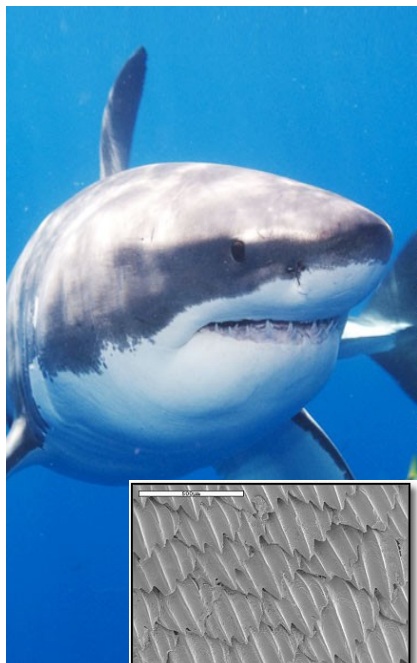
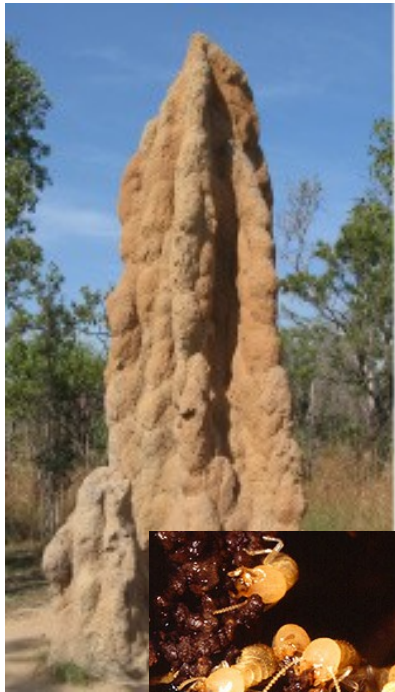


# Biological Champions









# **Biomimicry Challenge**

**What is your problem or challenge?**

**Who is your biological champion?**

**What structures and functions does your champion have?**

**What structures and functions does your biomimicry design have?**