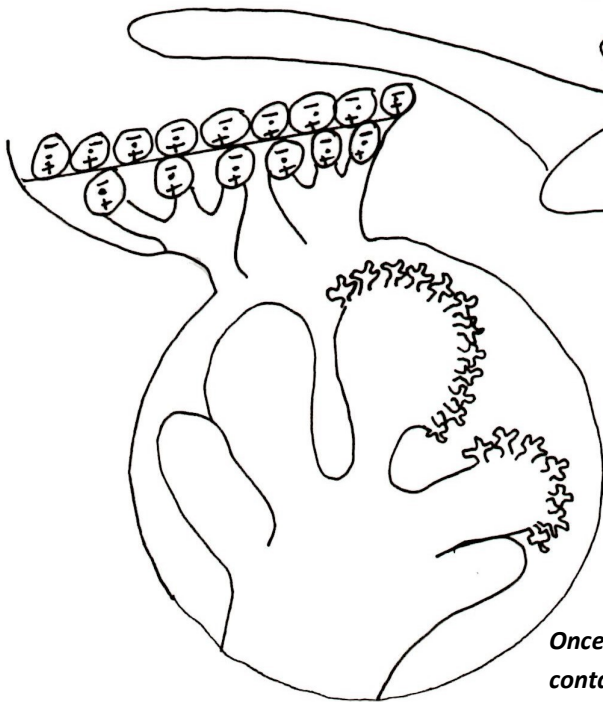
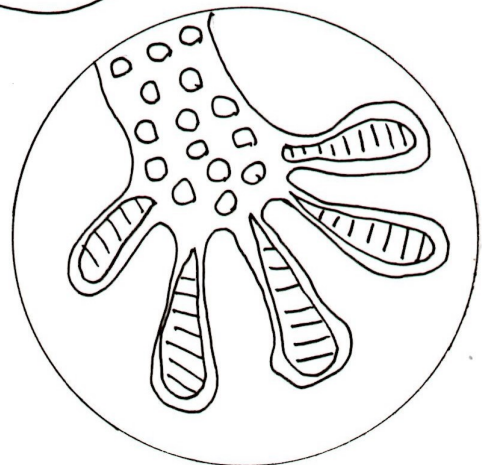
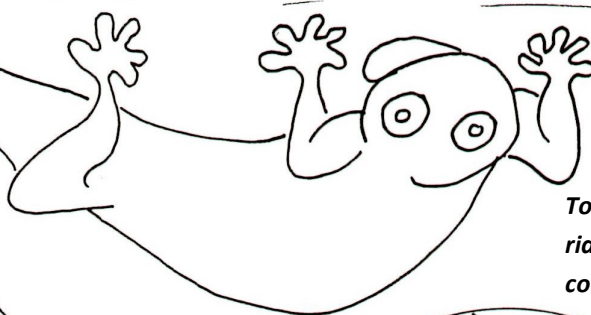


# Gecko's Sticky Feet

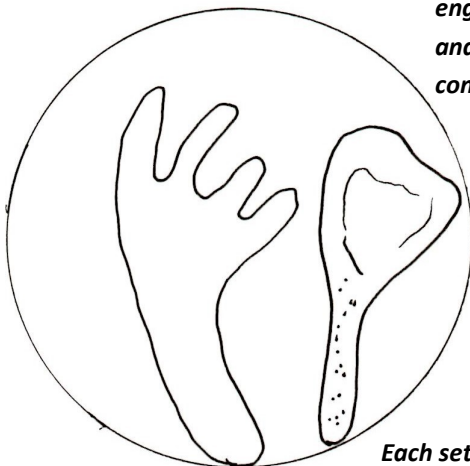


*Toes are padded with ridges which are covered with setae.*

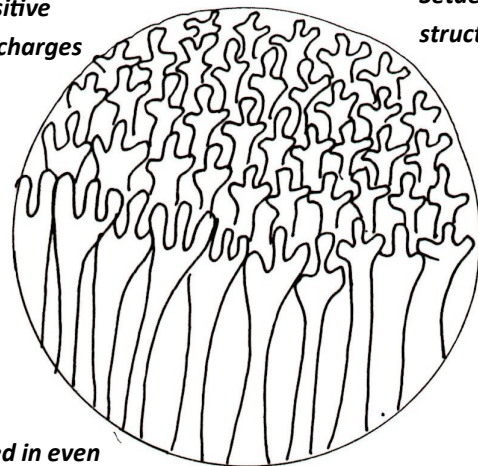


*Once the spatulae contact the surface at the right angle, the Van Der Waals Force engages as positive and negatives charges connect.*

*Setae are hair-like structures.*



*Each setae is covered in even smaller bristles known as spatulae. The spatula shape is ideal for sticking to surfaces.*



Gecko's cling to surfaces with incredible ease. They even walk upside down, and skim smooth surface areas like glass without leaving a print. Each gecko toe is lined with padding made up of setae that have smaller bristles on the ends known as spatulae. A gecko has about 2 billion spatulae that combine forces to hold the gecko's weight. As the spatulae make contact with a surface area the Van Der Waals Force is engaged. This force is the attraction and repulsion between atoms, molecules and surfaces.