**Pre/Post Assessment**

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| **Draw or describe your understanding before starting this activity** | **Important Concept** | **Draw or describe your understanding after completing this activity** |
|  | Mechanical Wear |  |
|  | Cohesion |  |
|  | Surface Tension |  |
|  | Adhesion |  |
|  | Abrasion |  |
|  | Iterate(the process of iteration) |  |

**Design Space!**

Based on what you know about teeth and tooth brushing, and what you learned in the reading, sketch an initial design for a new brush for the Colgate Corporation that will minimize the mechanical wear on the tooth enamel while keeping the tooth smooth to prevent adhesion of bacteria. **Be sure to label the parts of your design and explain your reasoning**.

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| **My Initial Design** |
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After you finish prototyping, testing, and iteratively improving your design with your team, draw or describe your final design. **Be sure to label the parts of your design and explain your reasoning**.

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| **Our Final Design** |
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