

Name:

Date:

Class:

Pre/Post Assessment

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)	

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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.**

My Initial Design

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.**

Our Final Design