Name_____

DESIGNING A KEY HOLDER

Directions: Answer the questions below.

Problem:
Kids whose houses do not have electronic keypad entry must carry a key to get into their house after school. Somtimes they lose this key and can't get into their house.

1. What is the problem you are trying to solve?

2. Write your task in the form of a question. In other words, what question are you trying to answer? (Hint: It will probably start out as, "How can we design ...")

3. What are the constraints your team faces for the task?

4. What has already been done to try to solve it?

5. Use the space below to create a sketch of your plan. Include as much detail as possible. Use drawing or sketching paper if needed to give yourself more room.

Drawing

6. Discuss your ideas with your team. As a group, choose one idea and describe it below in words and drawings. This may be one person's idea or an entirely new idea that was made from a mixture of everyone else's ideas.

Final Plan Drawing

7. What improvements would you make so that your idea could work even better?