Engineering Design with Application to Unpowered Flight Worksheet

1. Create a checklist of needs and constraints:
   - _____________________________________________________________________
   - _____________________________________________________________________
   - _____________________________________________________________________
   - _____________________________________________________________________
   - _____________________________________________________________________

2. In the spaces below, draw different tetrahedron kite designs. If more space is needed, use the back of this sheet, or a blank piece of paper stapled to this sheet. Draw arrows to show the forces from wind and gravity.

   ![Diagram](image)

3. In the spaces below, draw your redesigned tetrahedron kite design and describe how and why you changed the initial design.

   ![Diagram](image)

   List of changes made and reasons why:
   - _____________________________________________________________________
   - _____________________________________________________________________
   - _____________________________________________________________________
   - _____________________________________________________________________
   - _____________________________________________________________________