

**Student worksheet for recording whether design meets requirements.**

| Requirements  | Test             |                                  | Re-test #1       |                                  |
|---|------------------|----------------------------------|------------------|----------------------------------|
|   | Met requirement? | Evidence for meeting requirement | Met requirement? | Evidence for meeting requirement |
| Used available materials  | Y/N              |                                  | Y/N              |                                  |
| Minimum amount of materials used  | Y/N              |                                  | Y/N              |                                  |
| Total volume of solution made (sum of test and re-test cannot exceed 150mL) | Y/N              |                                  | Y/N              |                                  |
| Graphic/narrative explanation of concepts                                   | Y/N              |                                  | Y/N              |                                  |
| Fan blade rotation (five turns minimum)                                     | Y/N              |                                  | Y/N              |                                  |

**(Note:** Students circle whether they met the requirement, then use actual data as evidence for each test within each design requirement [e.g., write down the duration the fan blades rotated or show how materials use was minimized]. Observations can be filled out above or below the requirements table.)