

**Purpose:** To **reflect** on the *Engineering Design Process* used in **designing** and **implementing** a *solution* to a *problem*.

**Instructions:** Use your PBL “Disaster Strikes!” packet and your experience during this activity to answer the following.

1. In the event of a catastrophic weather event, do you feel your solution is reasonable (would people use this solution)? Why or why not?

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1. Are there other catastrophic events in which your solution would be useful? List and describe how.

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1. How effective was your original design or plan at meeting the criteria set by your group? Provide *evidence* to support your *claim*.

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| Criteria 1: |
| Criteria 2: |
| Criteria 3: |
| Criteria 4: |

1. How effective was your redesign in improving on your physical solution? For conceptual solutions, what would you change to make your plan more effective at meeting criteria?

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1. Reflect on how your engineering design team (your group) functioned throughout this project. If you were in charge of hiring a design team, would you hire your team? Why or why not?

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1. If your group had the opportunity to complete a second redesign, which constraint would you choose to change (example: budget, time, materials) and how would this affect your design? Be specific in what you would change and how it would affect your design.

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1. There are a variety of STEM careers (Science, Technology, Engineering, & Math). What careers or topics of study do you find interesting in any topic?

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1. Would you think of these as STEM careers? Why or why not?

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1. Please staple all work of your PBL “Disaster Strikes!” together. This includes the packet with stamps for all steps completed, this reflection sheet, and any additional papers you used. Turn this into the turn-in bin. If you had a presentation for a conceptual solution, make sure to move this to your “Earth Science” folder.