**Research and Design Worksheet**

My assigned region / area is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Research Component** |
| 1. Identify and list 3-5 trees or crops in your assigned region that people in the area rely on for food, shelter, livelihood, etc. For each tree or crop, provide a name, picture, and a summary of its importance. 2. What are the environmental/pest threats in your assigned area or to your identified trees/crops? (e.g., animals or insects, weather, land conditions, pollution, etc.). 3. Research 2-4 examples of commercially available sapling protection along with cost and disposal methods. 4. What kind of reusable materials are available in your assigned area? |
| **Brainstorm and Design Component** |
| 1. What type of tree or crop sapling will you be protecting? 2. What will you be protecting the tree or crop sapling from? 3. Individually sketch how you could protect your tree or crop sapling. Label the parts and identify what reusable materials will be used in the design. |

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| **Team Design Sketch** |
| Sketch your team’s design for how you could protect your tree or crop sapling. Label the parts and identify what reusable materials will be used in the design. |