
Phenomenal
SCIENCE
5
WORKBOOK
Daniela Vega López
Pearson

Phenomenal SCIENCE

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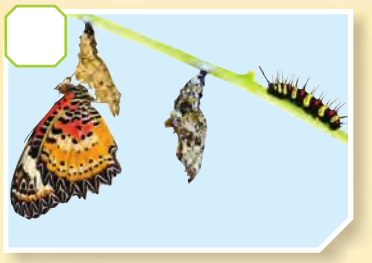
Content Table

Unit 1

What is the design process?

1. Check (✓) the items that are examples of technology.

1 

3 

5 

2 

4 

6 

2. Label and number the first four steps of this design process. Use words from the box.

identify the problem | choose a solution | do research | develop possible solutions

☐ Decide to design a drip water irrigation system with cheap water bottles. _____

☐ Look on the internet for different irrigation systems, automatic sprinklers, drip water irrigation systems, plant watering spheres, characteristics of the plants you have, and how often they need to be watered. _____

☐ Make a plan to make your own drip water irrigation system, and think of options with different materials, level of difficulty, and prices. _____

☐ You are going away for two weeks in a very dry summer season and won't be able to water your plants, which will probably die without water, and no one is around to help you water them. _____

3. **Think of a piece of furniture you use often but is no longer in good condition. Write how you could fix it.**

4. **Research your problem and look for the possible materials that could help you.**

5. **Draw two different prototypes and show their pros and cons.**