

Map out the areas of circularity

1.Extraction

2.Production

3.Distribution

4.Usage

5.Disposal

Circular Design Challenge

1. Single use ketchup packets:

Problem: These are only used one time then thrown away. They cannot be recycled because it is made with multilayered materials. Is there a better way to offer ketchup to customers without all the waste?

2. Expensive laptop or cell phone:

Problem: Computers and cell phones sometimes break down for a variety of reasons and often are not simply repaired, resulting in people buying a new one. Computers also have valuable metals and recyclable materials within the devices, but they cannot easily be recycled. This is called “e-waste”. How can we extend or build a product that would last longer, and in which those recyclable parts can be used again?

3. Baby clothes:

Problem: Babies grow fast and grow out of their clothes much quicker than adults, leaving parents with a lot of baby clothes they cannot use any longer. Is there a way to reduce waste with baby clothes through a service that could share them with another family?

4. Food wrapping:

Problem: Food wrapping is used at grocery stores on fresh produce to preserve the shelf life of the food and prevent food waste. This thin material cannot be recycled and is discarded once the customer buys the produce and brings it home. This wrapping is thrown away and not recycled. Is there another way we can maintain the shelf life of our food and prevent food waste without using thin food wrapping?

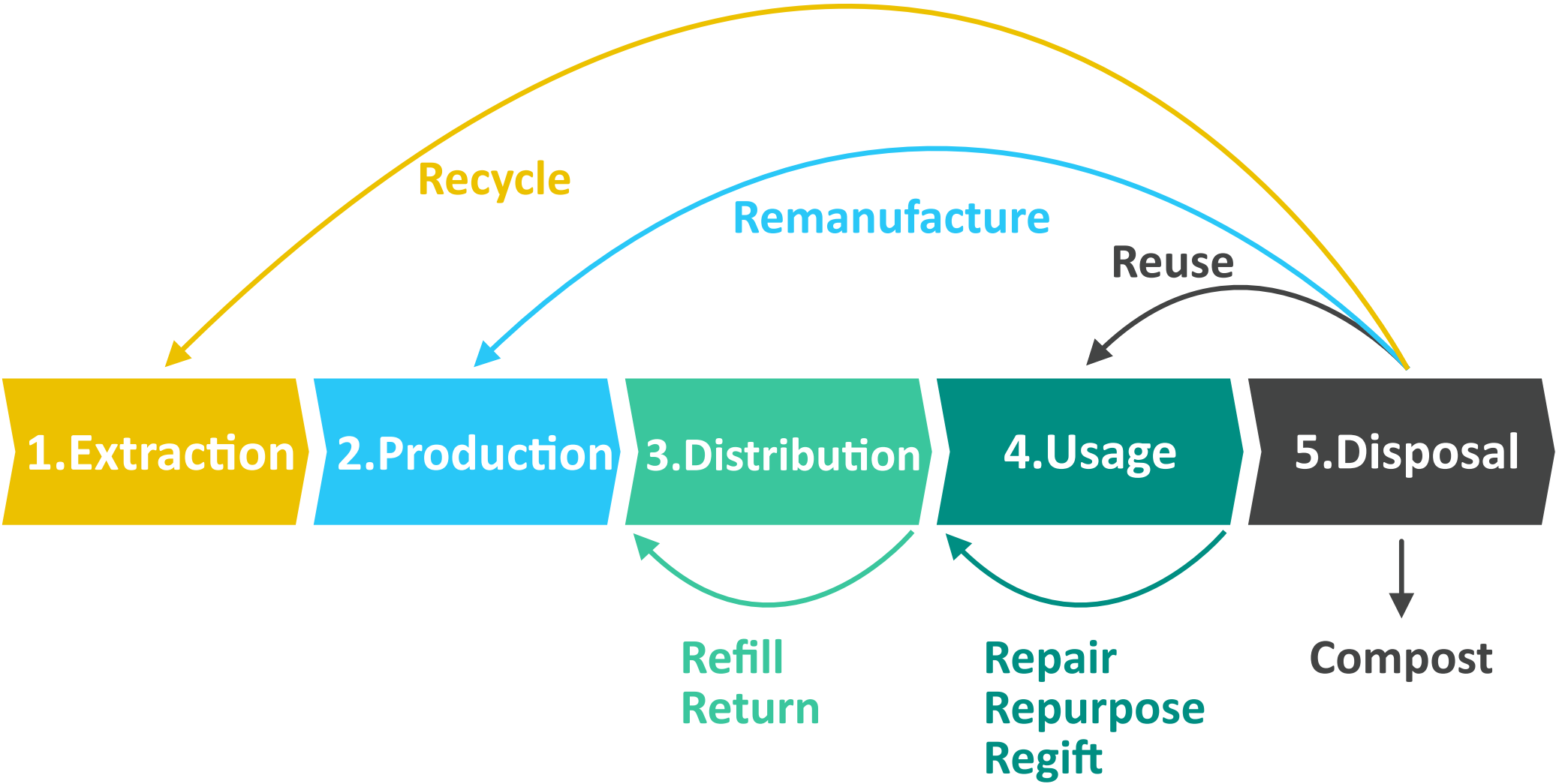
5. Single use packaging used when buying nuts or produce at the grocery store:

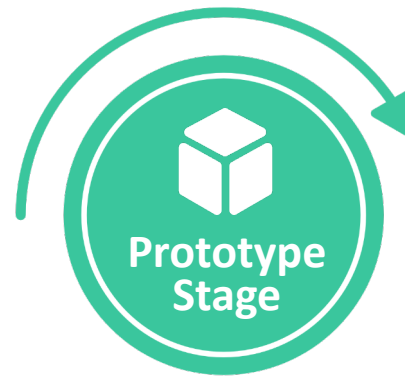
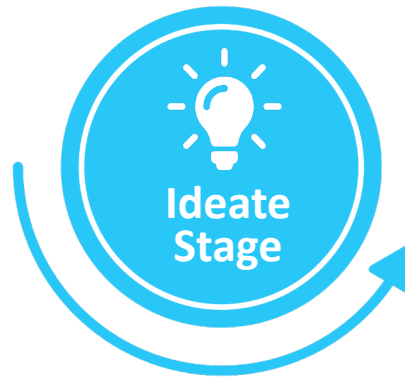
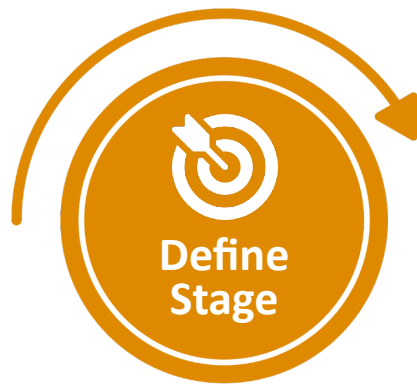
Problem: Grocery stores offer single use packaging to buy certain items that is only intended to be used one time. Is there a better way to buy nuts or other produce at the grocery without single use packaging?

6. Rubber flip flops:

Problem: Flip flops are made from rubber and cannot be recycled. Is there a better end of life solution? Is there a way to conserve the rubber and use it for something else?

Lifecycle Mapping





Who is my user and what matters to them?

What are their needs?

All your ideas go here, there are no wrong answers.

How can I show my idea? Create a rough draft.

Test your idea. What worked? What didn't?