



# WASTE NOT, WANT NOT

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HOME SCHOOL  
BIOLOGY LAB

# WHAT IS WASTE?

- “**U**nwanted or unusable materials. Waste is any substance which is discarded after primary use, or is worthless, defective and of no use.” - Wikipedia
- But waste is also a verb, as defined by [Dictionary.com](https://www.dictionary.com):  
“to consume, spend, or employ uselessly or without adequate return; use to no avail or profit; squander”
- “anything unused, unproductive, or not properly utilized”

# TRASH OR TREASURE?



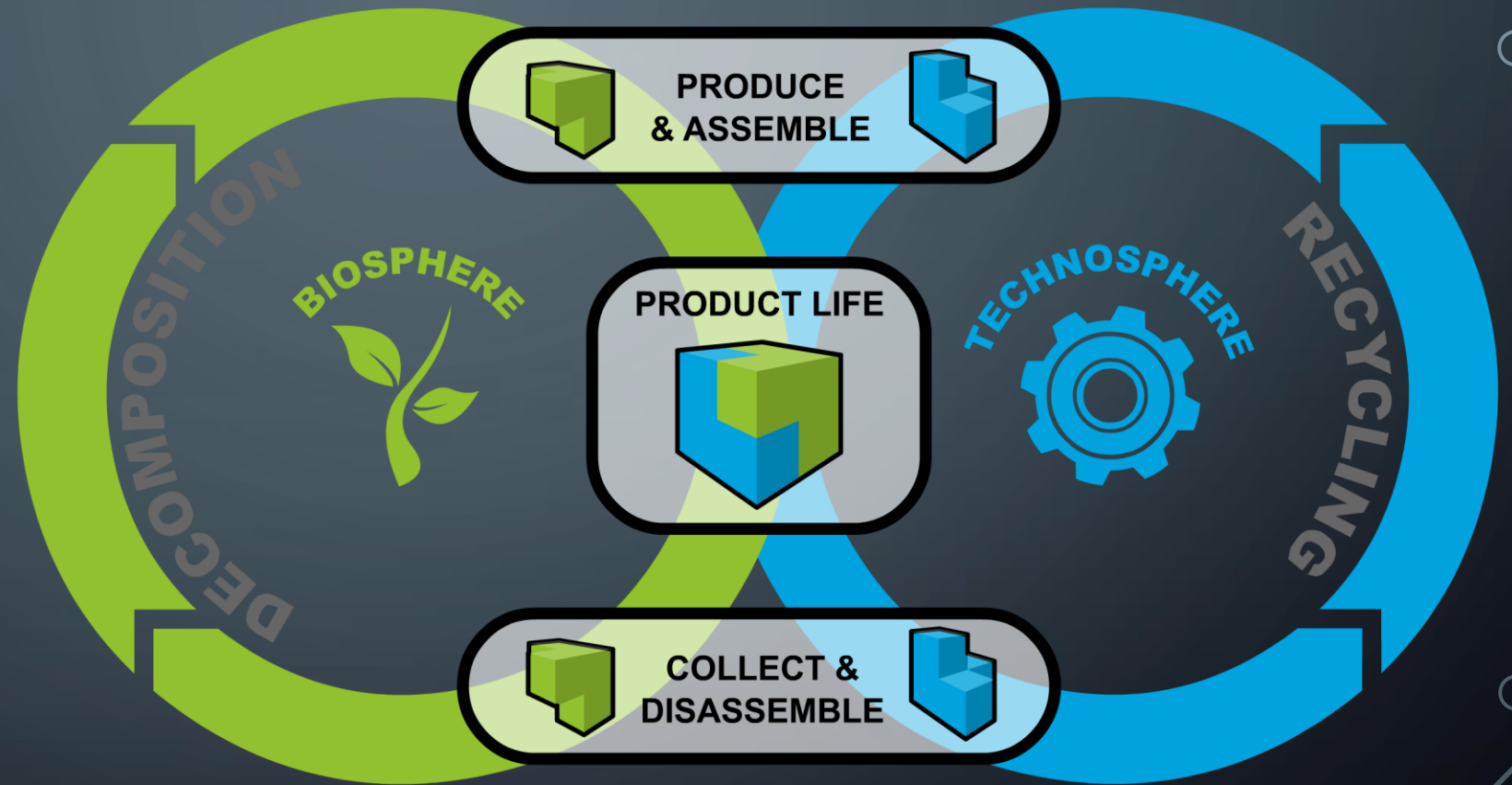
# SHOULD WASTE EXIST?

- Noun vs. Verb
- Biological vs. Technical Nutrients
- Renewable vs. Non-Renewable
- Lifecycle of products – Aluminum Can



# DESIGN

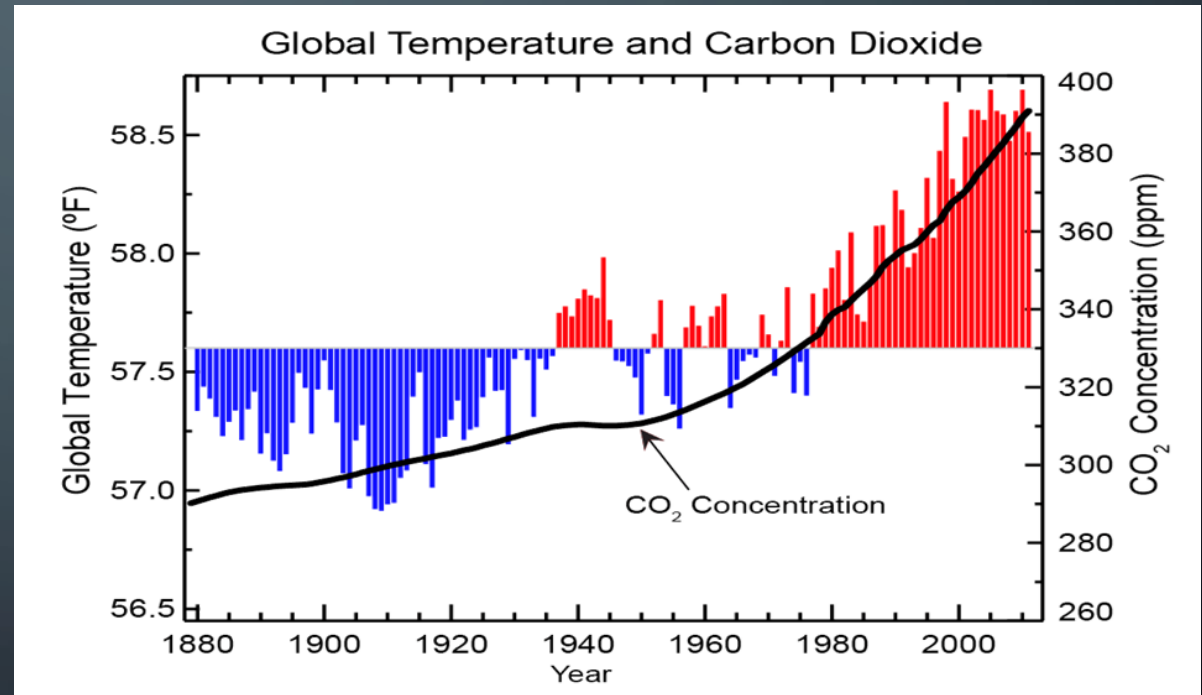
- Linear vs. Circular
- Cradle to Cradle





# CLIMATE CHANGE

- Tell me what you know!
- What are some solutions we can take?





# RENEWABLE ENERGY RESOURCES

- What are they?
- Anaerobic Digestion – Methane (Biogas)
- Archaea (methanogens)
- Biodigesters – produce biogas, water, and fertilizer







