

Life-Cycle Assessment



Collect and calculate data for all input and output of a product's **cradle-to-grave** life cycle

AKA accounting stage



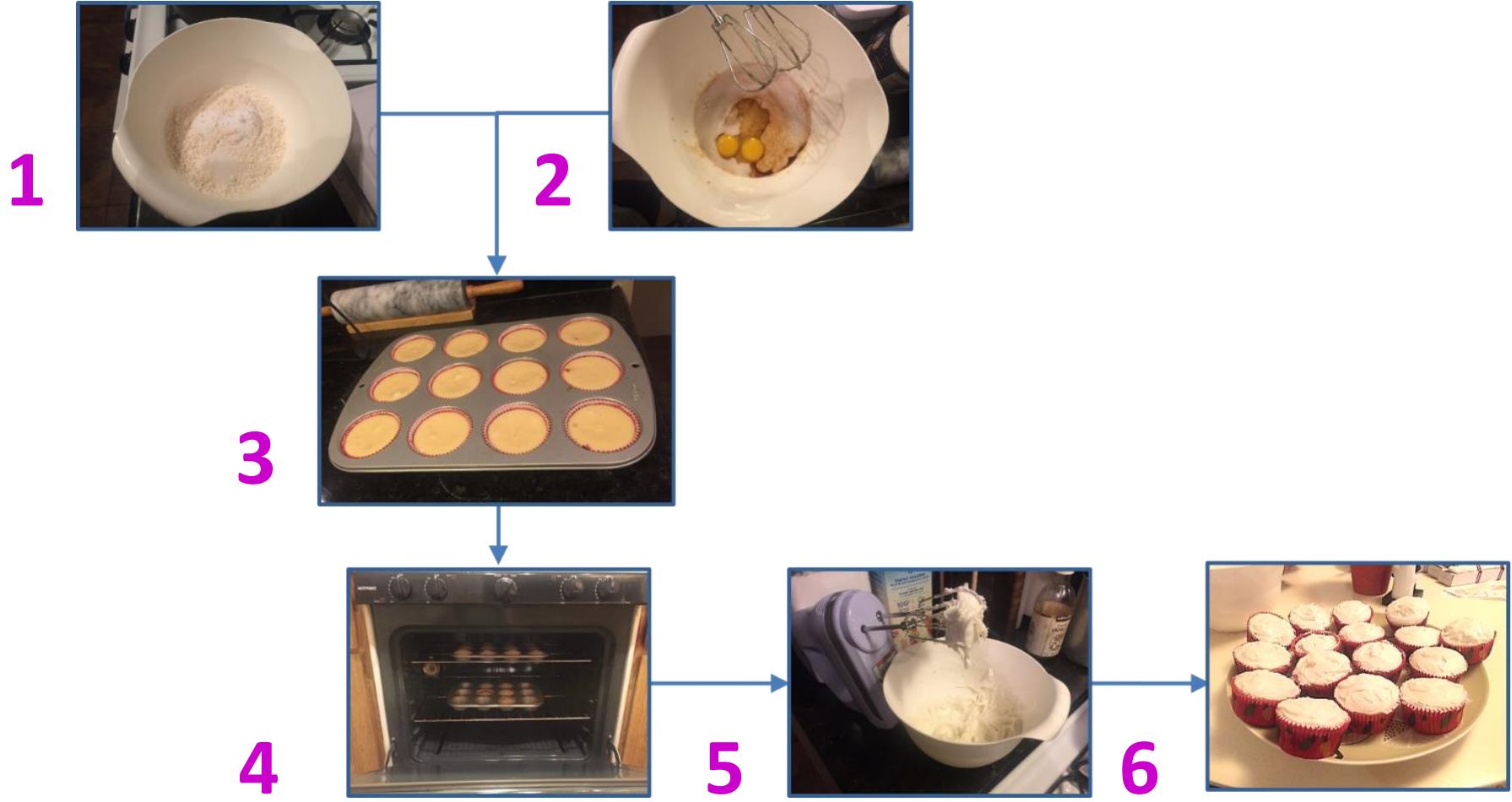
Examine data to determine environmental impact

- Energy used?
- Emissions released?
- Compare options

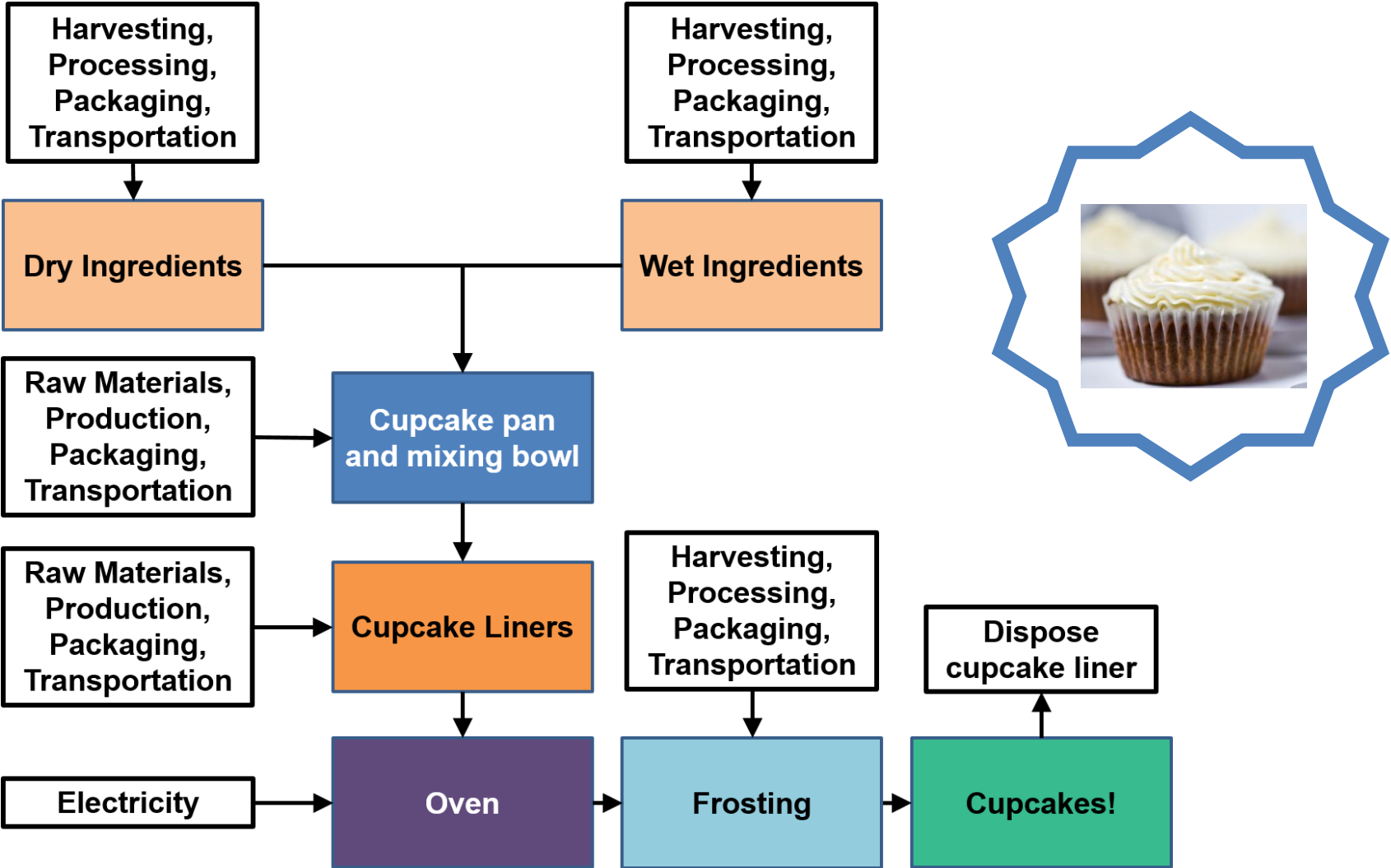


Interpret results and make recommendations that alter life-cycle decisions & processes to reduce a product's environmental impact

Six Steps to Make Cupcakes



Cupcake Life-Cycle Flow Diagram



Life-Cycle Assessment

~summary table~

Cupcake Life Cycle Stage	Energy Use (kJ)	GHG Emissions (g CO _{2e})
1. Wet ingredients		
2. Dry ingredients		
3. Baking materials		
4. Oven baking		
5. Frosting		
6A. Disposal (landfill)		
6B. Disposal (compost)		