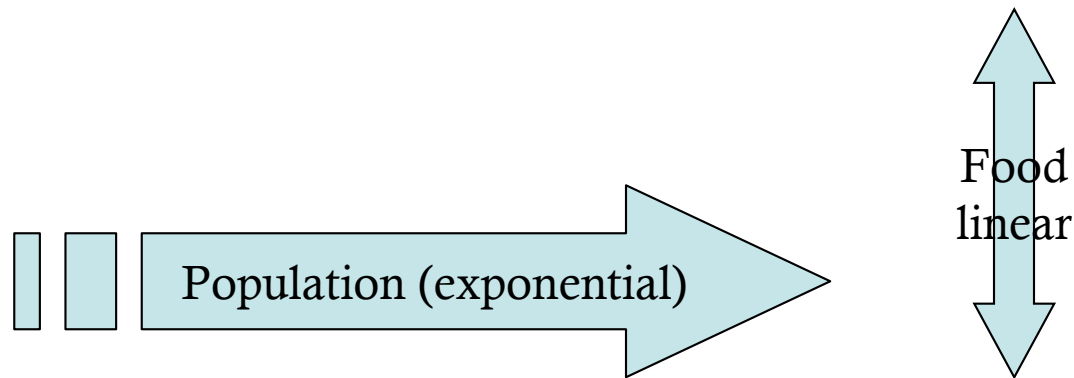


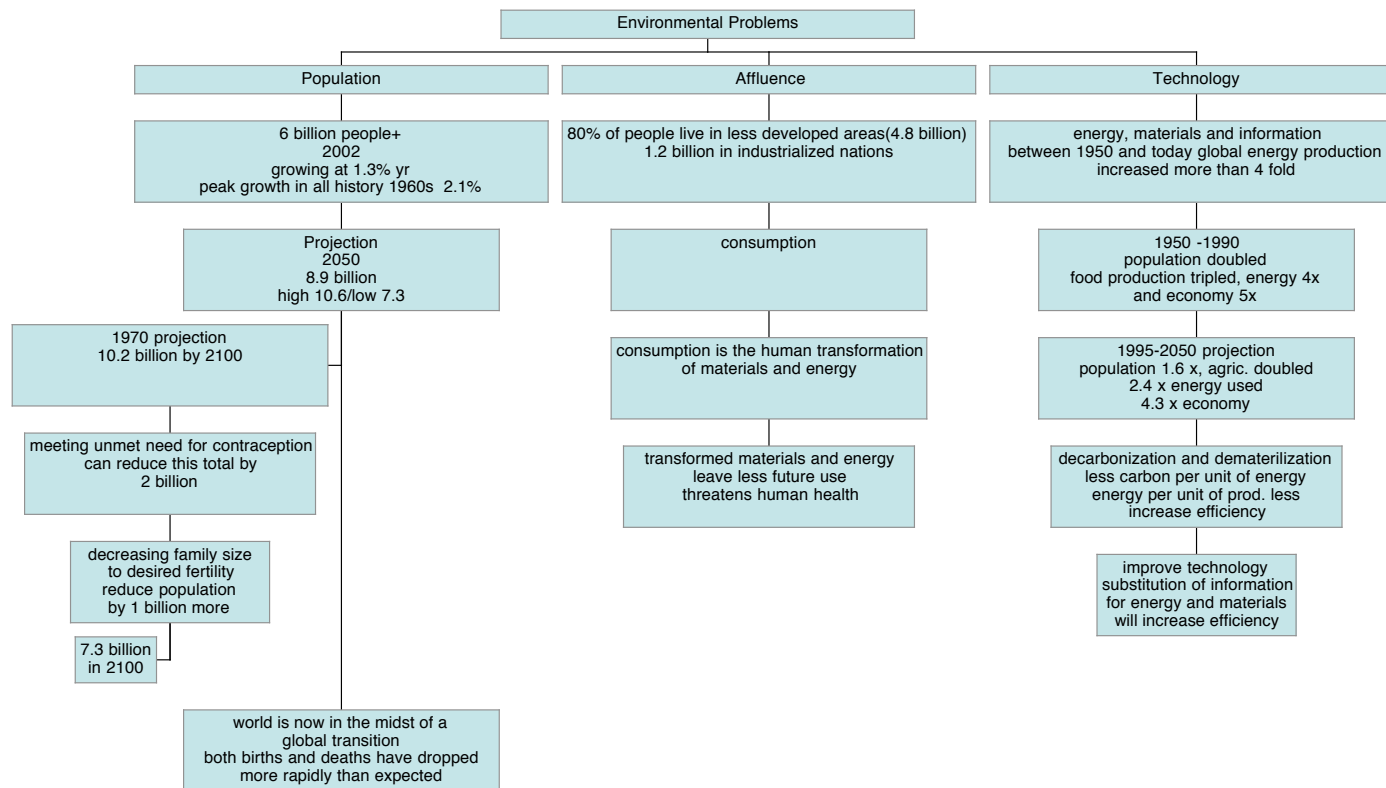
200th year of Malthus essay on population

- Human population growth would outstrip the earth's food-producing capabilities



Population and Consumption

Population and Consumption
by Commoner, Ehrlich, and Holdren
1970's



Recent report from the National Research Council

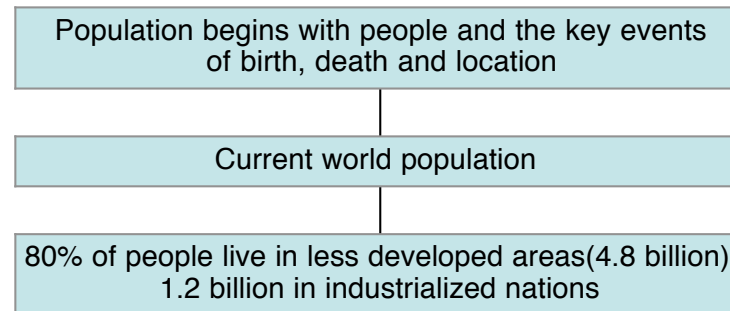
- One view of public debate:
- For over two decades, the same frustrating exchange has been repeated countless times in international policy circles. A government official or scientist from a wealthy country would make the following argument: The world is threatened with environmental disaster because of the depletion of natural resources (or climatic change or the loss of biodiversity) and it cannot continue for long to support its rapidly growing population. To preserve the environment for future generations, we need to move quickly to control global population growth, and we must concentrate the effort on the world's poorer countries, where the vast majority of population growth is occurring.

Gov't officials and scientists from low-income countries...

- Would typically respond:
- If the world is facing environmental disaster, it is not the fault of the poor, who use few resources. The fault must lie with the world's wealthy countries, where people consume the great bulk of the world's natural resources and energy and cause the great bulk of its environmental degradation. We need to curtail overconsumption in the rich countries which use far more than their fair share, both to preserve the environment and to allow the poorest people on Earth to achieve an acceptable standard of living.

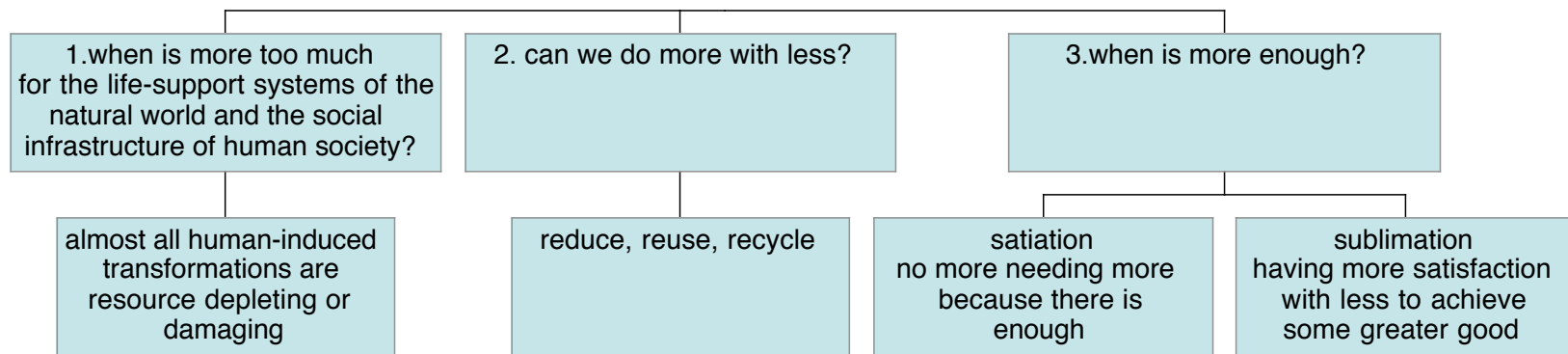
Population and Consumption

Population is well understood



Consumption

3 questions to suggest a direction to reducing environmental damages and resource depleting consumption

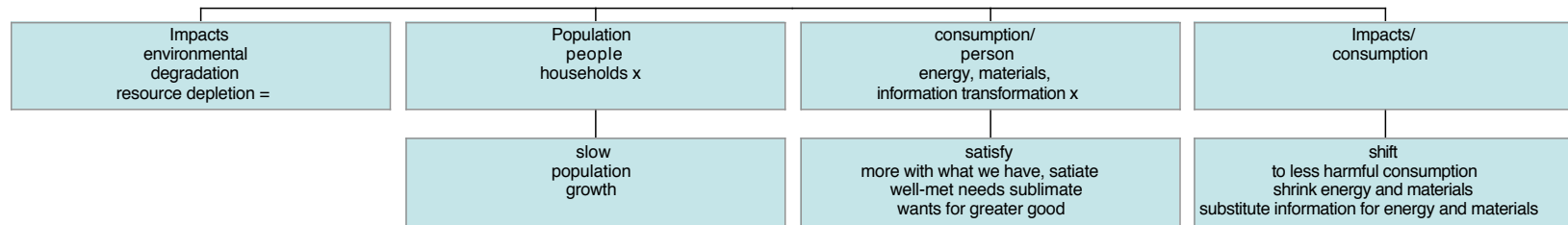


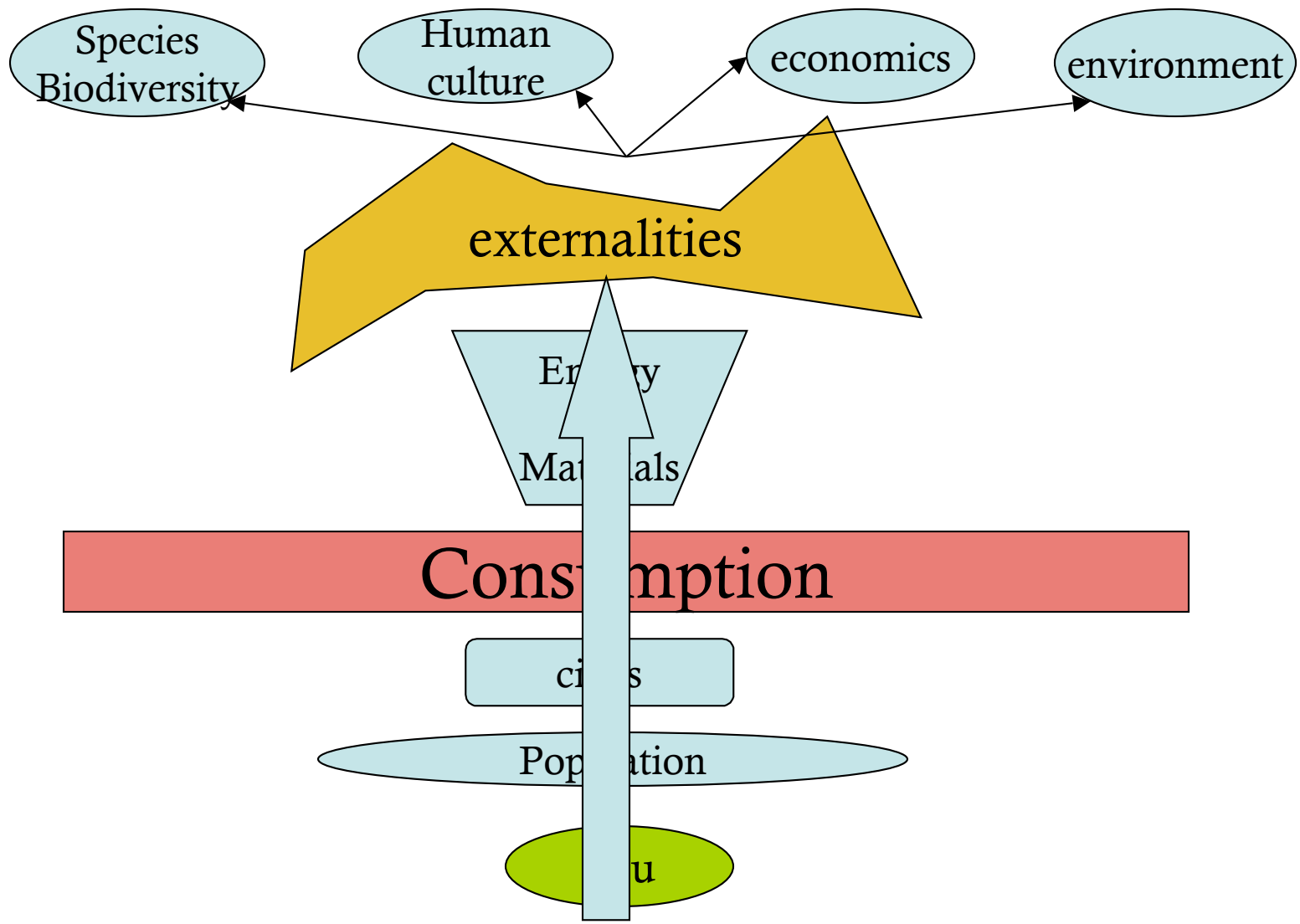
IPAT

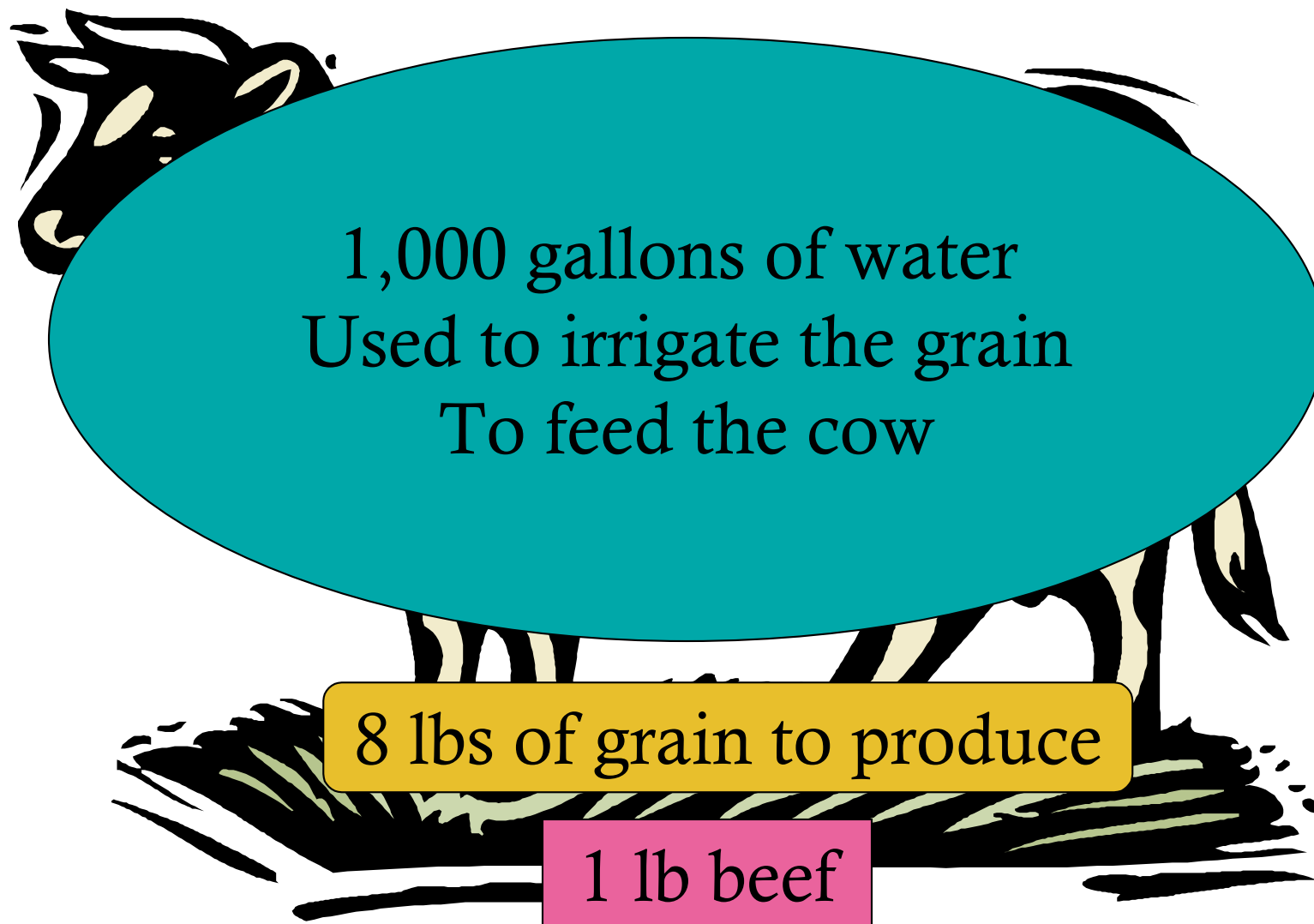
(impacts, population, affluence, technology)

a new template for action

IPAT (Population/consumption version): a template for action







1,000 gallons of water
Used to irrigate the grain
To feed the cow

8 lbs of grain to produce

1 lb beef

1 lb beef

- Your footprint
- Food
- Shelter
- Transportation
- Goods/services

