

How Beer is Made

- Brewer's Yeast

- Consume the sugar in their environment

- Reproduce, and increase in population

- Excrete alcohol and carbon dioxide

- Eventually, either consume all of the sugar and starve, or crap themselves to death by filling their environment with a level of alcohol that is deadly to them

Our society burns so that we can consume

- Since the industrial revolution, we have harnessed the power of combustion to amplify our production and transportation abilities

- Fossil fuels such as coal and oil are extracted and burned so that we can make things and move around

- We live in the age of mass transportation and mass production

- These each have serious costs, even if those costs are hidden to those who enjoy them

Greenhouse gasses

- The carbon locked away when ancient animals and plants died is being released into the atmosphere in massive levels as we burn fossil fuels

- Co₂ (carbon dioxide) is a harmless gas, but an unprecedented increase in levels of co₂ contributes to the greenhouse effect, warming the planet

- The more we burn, the warmer we get

- This can have catastrophic consequences

Our bodies consume so that we can burn

- The energy on earth comes from the sun

- Plants can turn water and light into stored energy through photosynthesis

- Animals must either eat plants or other animals in order to consume the sun's energy

- Some food sources are more efficient than other, and can be measured by the Feed Conversion Ratio (FCR)

- Food

- Beef FCR = 6.5

 - Massive deforestation

 - Copious amounts of e. coli infested manure

 - Methane producers

 - Cannibalism leads to insanity?

- Pork FCR = 3.75

 - Exploding pig waste (over 30 incidents in the US since 2009)

 - Force-fed arsenic, which leeches into the soil

- Chicken FCR = 1.8

 - More self-sufficient

 - Bred so that they can barely live (exploding hearts)

Some Perspectives

Juggernaut Theory

We are apes

Apes are carnivorous, territorial, and ingroup-oriented

Exemptionalism

We are so damn smart, we will be able to figure out ways around the laws of nature

Environmentalism

We can survive, but only if we understand and work within the laws of nature