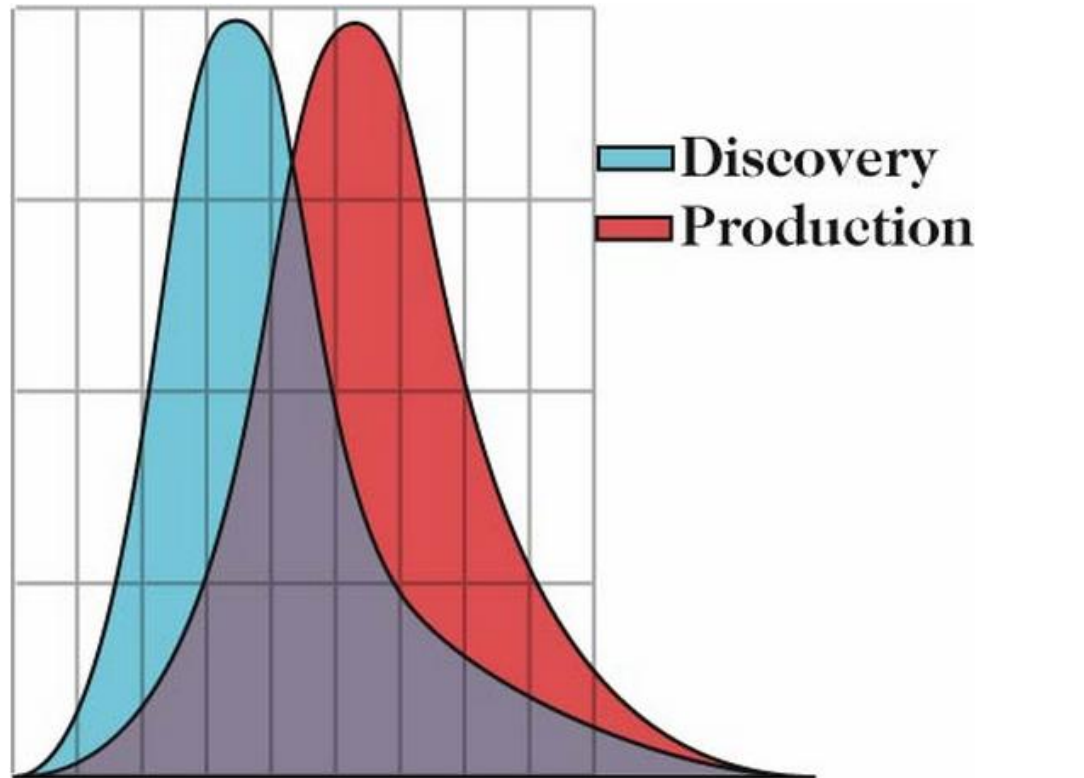


# Warm-Up

29FEB2016

- What is Peak Oil?



# The Hubbert Curve (peak oil)

- Hubbert curve- a graph that shows the point at which world oil production would reach a maximum and the point at which we would run out of oil.

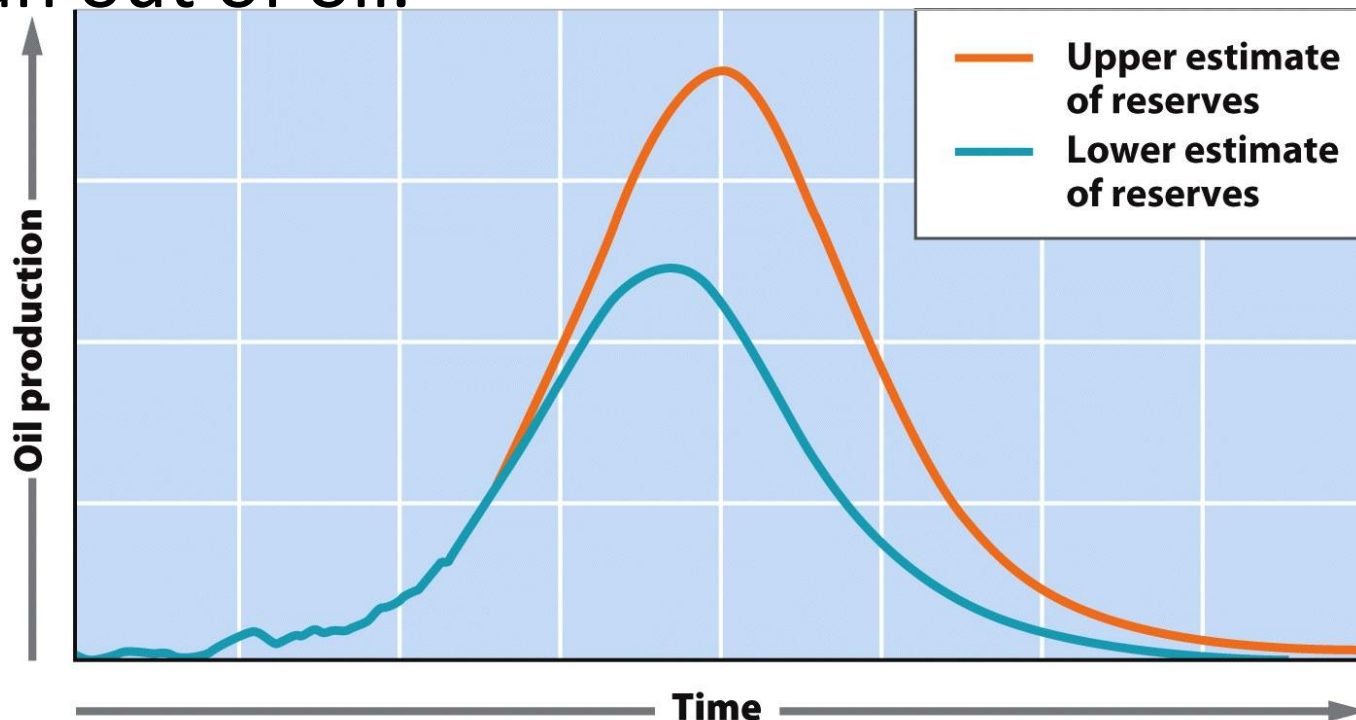


Figure 12.16  
Environmental Science  
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# Peak Oil

- Timing of peak oil is hotly debated
- This has been the base of our economy since the industrial revolution and the pattern thus far has been growth, growth, growth

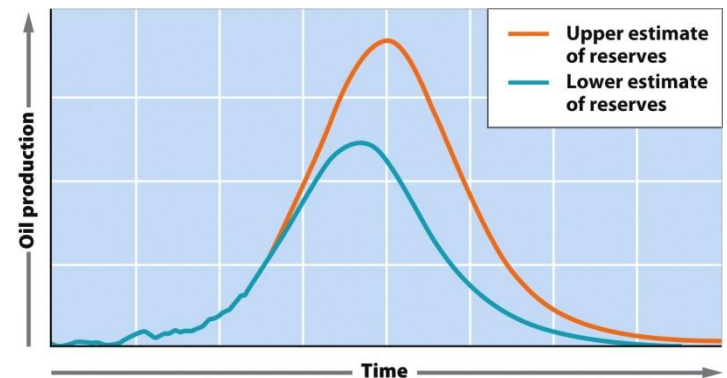


Figure 12.16  
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- What will happen socially and economically on the down slope?

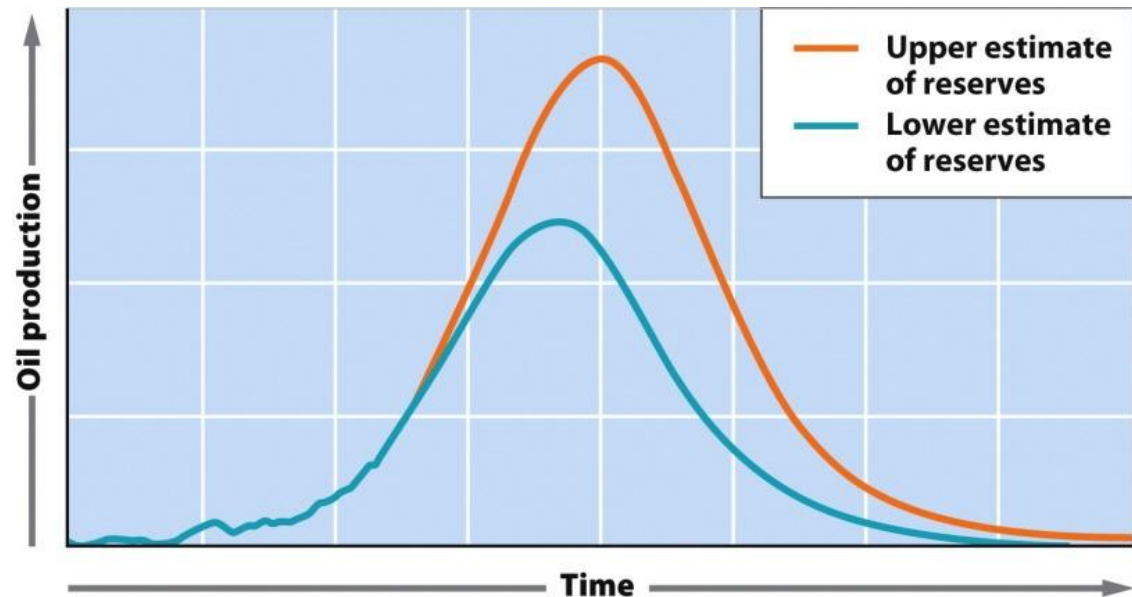


Figure 12.16  
Environmental Science  
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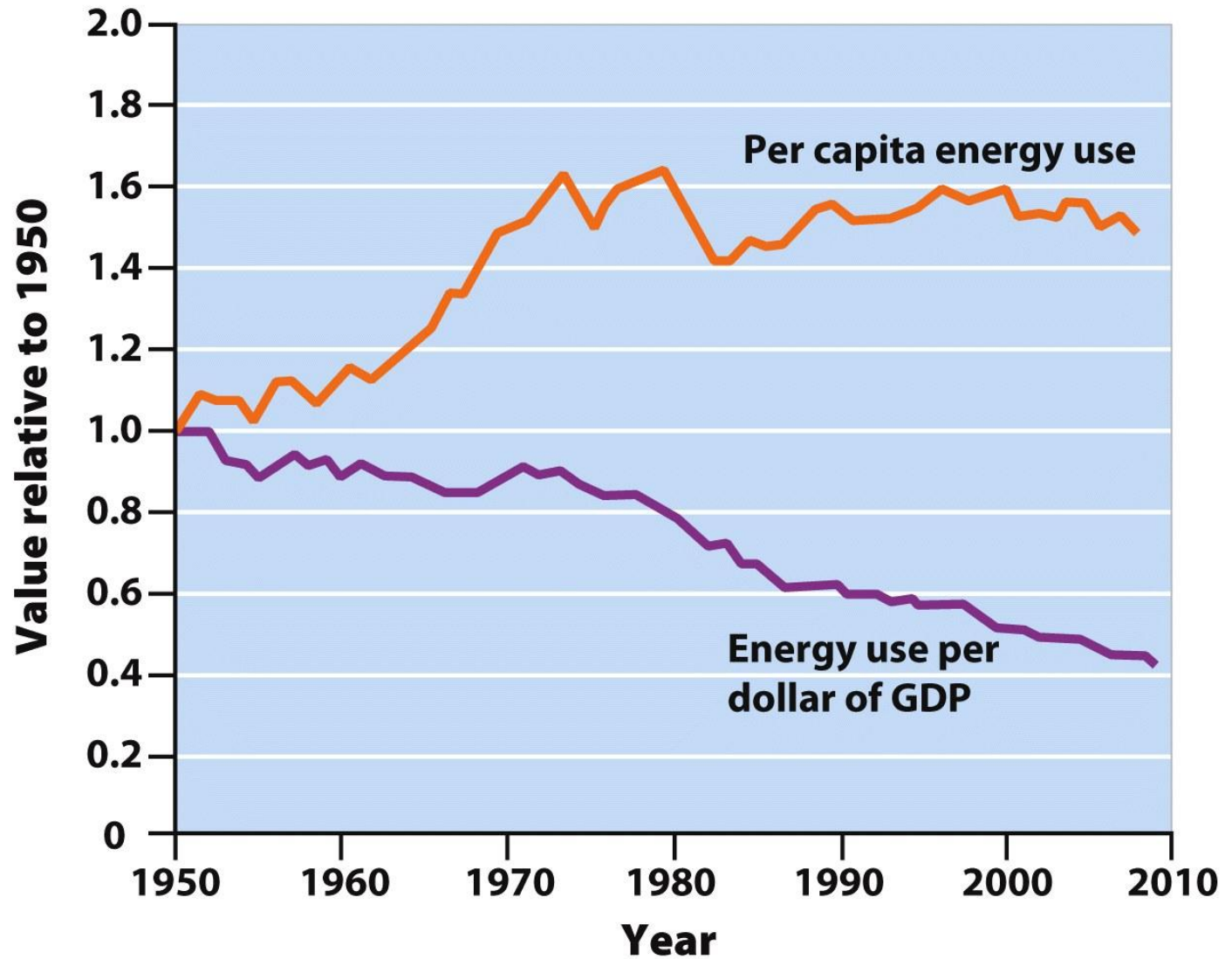
- Some say a simple diversification of energy sources will help
- Some say we will face social and economic catastrophe

# The Future of Fossil Fuel Use

- If current global use continues, we will run out of conventional oil in less than 40 years.
- Coal supplies will last for at least 200 years, and probably much longer.

- Fossil Fuels are a finite resource.
- We know they will be exhausted some day.

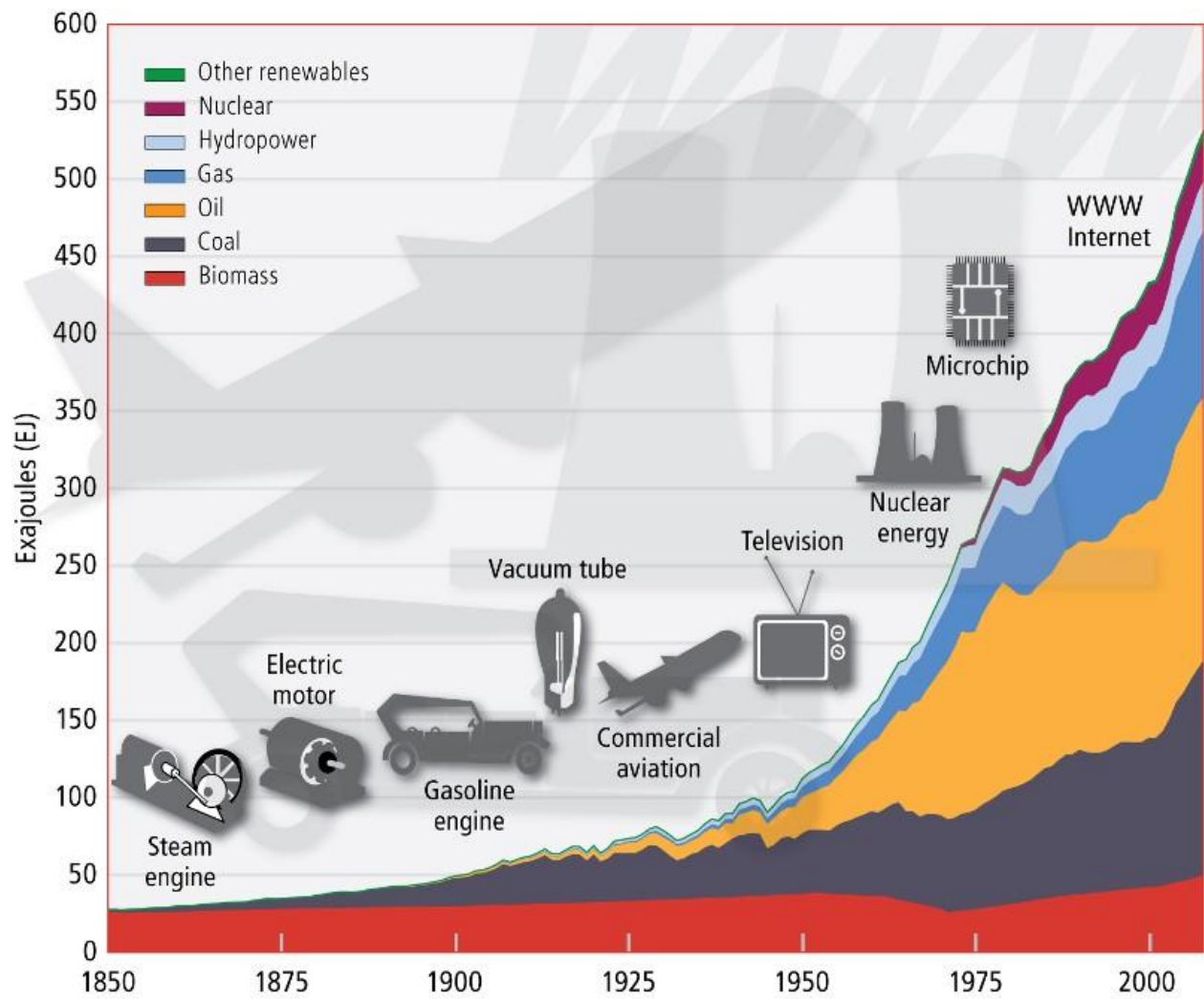
# Energy Intensity is decreasing



**Figure 12.15**  
*Environmental Science*  
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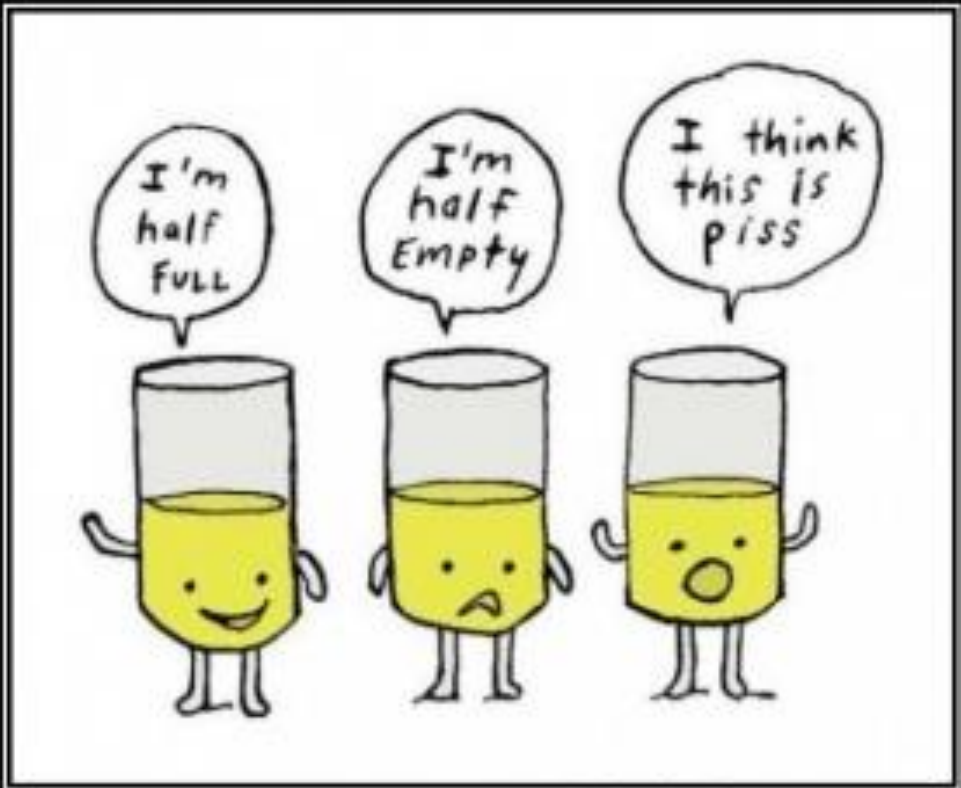
- Energy use is increasing despite increased efficiency
  - we have lots of electronics!
  - Ask your elders what electronics they had...



# Two camps

1. The optimists: human ingenuity will “save” us
2. The pessimists: maybe not so much





# REALISTS

The only ones who really know what's going on.



# Warm-Up

01MAR2016

- What is the Hubbert Curve or Peak Oil?
- Why is it important?
- Logistics:
  - Celebration of Knowledge Friday, FRQ Monday
  - Warm-Ups are due Friday
  - There has not been much homework this unit, so there has been plenty of time to study for your test

# Warm-Up

02MAR2016

1. What is this graph showing you about the growth of technology and energy use?
2. What is meant by sustainable energy economy?

Celebration of knowledge is  
Friday,  
FRQ is Monday,  
Warm-ups are due Friday  
Read Klein Ch 12 by Monday

