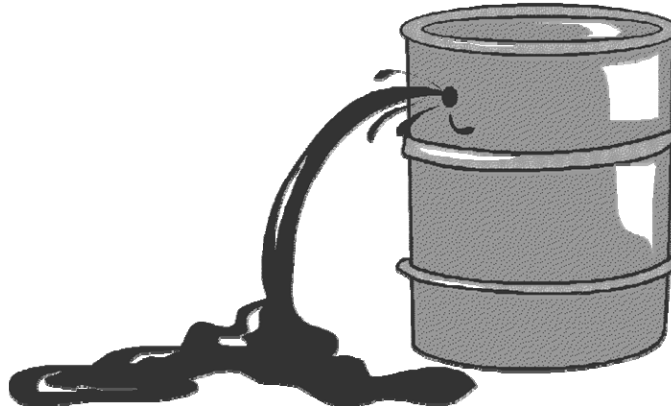


Name: _____

Homework: Fossil Fuel Use



Background

As a society, we are very dependent on fossil fuels, especially petroleum products. A primary use of petroleum is gasoline, which we use to power our automobiles. We also use petroleum products to heat our homes, lubricate machinery, and to make plastics. Because petroleum is a FOSSIL FUEL, it is a NON-RENEWABLE ENERGY SOURCE. This means that there is a limited supply and we will run out over time. This situation is worsened by the fact that the rate at which we are consuming these fossil fuels is increasing as Americans are buying more and more cars and SUVs with low fuel efficiency. This means that we will run out these fossil fuels even faster.

Purpose

You are to examine the projected rates of fossil fuel production and consumption over 23 years in order to arrive at conclusions about our current state of affairs and offer suggestions on how to change.

Instructions

Graph the data points given below in BAR GRAPH format in the area provided. The first graph will be the estimated crude oil production through 2025. The second graph will be the estimated consumption through 2025. Answer the accompanying questions.

Questions:

1. Identify the dependant and independant variables from the Crude Oil Production Chart.
2. Was there in increase or decrease in the projected oil production through 2025? Why do you think this is?
3. Was there in increase or decrease in the projected oil consumption through 2025? Why do you think this is?
4. How old will you be in 50 years? What do you think will happen in 50 years to your life and our general society based on the trends shown in these graphs?
5. Give one example of a change that we can make to avoid a possible oil shortage crisis.