CT # 1-0 & 1

Value = 70 points

For Students with ID numbers ending in “0” or “1”

You must have your Student ID number on your paper to be graded

You must have the Question Number on your paper to be graded

For this first paper, we are going to take on the issue of Population.

As you know from lecture, the global population estimate for 2100 has been raised from nine billion to eleven billion (recall that humans number about 7.5 billion). This is by far the biggest issue facing humanity in the 21st century.

**You are going to investigate the formula I=PAT, where I = Impact; P=Population; A=Affluence; and T=Technology.**

1-1 Human Population Impact upon natural systems:

I’m leaving these topics intentionally vague to allow you, a college junior or senior to chase a sub topic down. For example you could have as a topic: “Plant and animal extinctions are at unprecedented levels.”

1-2 Human Population Impact upon other humans:

1. Our profligate lifestyles are making the lives of poor people worldwide insufferable.

 OR

1. Rich countries are where most innovation occurs, and these innovations are making the lives of the poor improve.

1-3 Human Population Impact upon the livability of planet Earth:

1. Fossil fuel burning, synthetic chemical poisoning, pollution, etc. will eat our lunch by the year 2100.

OR

1. It is all a big hoax. Innovation will solve our problems.