

## The Prophecy of Sixth Extinction due to over population.

If we were to compress Earth's 4.5 Billion years of history into 24 hours. Humans have existed barely for a minute and thirty seconds. All of the recorded human history fits within a few seconds. In these short time duration, human population have grown exponentially.

It took human population a 100,000 years to reach 1 billion. And just a hundred more to reach 2 billion, only 50 years to double again to 4 billion people in 1970. We are near 8 billion now. This is called exponential doubling.

This can be explained by Bartlett's beaker. If a single bacterium, one that divides and doubles every minute were to be placed in a beaker at 11 o'clock and it's completely full at 12 o'clock. At what time is the beaker only half full?

11.59.

If we were to continue growing like this, the population of 8 billion will be 16 billion in no time. With the current population itself, there are huge issues of basic necessities such as food and potable water. Earth's resources are depleting as rapidly as we grow. To add to that issue our new technology has led to do some permanent damage to Earth. We have wiped out 50% of plants and animal species in last forty years. Almost same as some mass extinctions in Earth's history.

By studying data and demographics, it can be seen that we are slowing down in growth rate (if viewed on a large scale). But before we reach the stability point of population we might have been forced to leave the planet because of famine, thirst, epidemic, war, inhabitable conditions due to global warming or ice age (whichever comes first).

This is not an ideal situation and we must seek for a strong solution now to avoid what seems as the mass extinction of human race.