

Overpopulation

A large crowd of people, many wearing white caps, gathered around a vehicle, illustrating the concept of overpopulation.

Get out a sheet of graph paper,
label it **Page 714: Overpopulation Notes**

Overpopulation



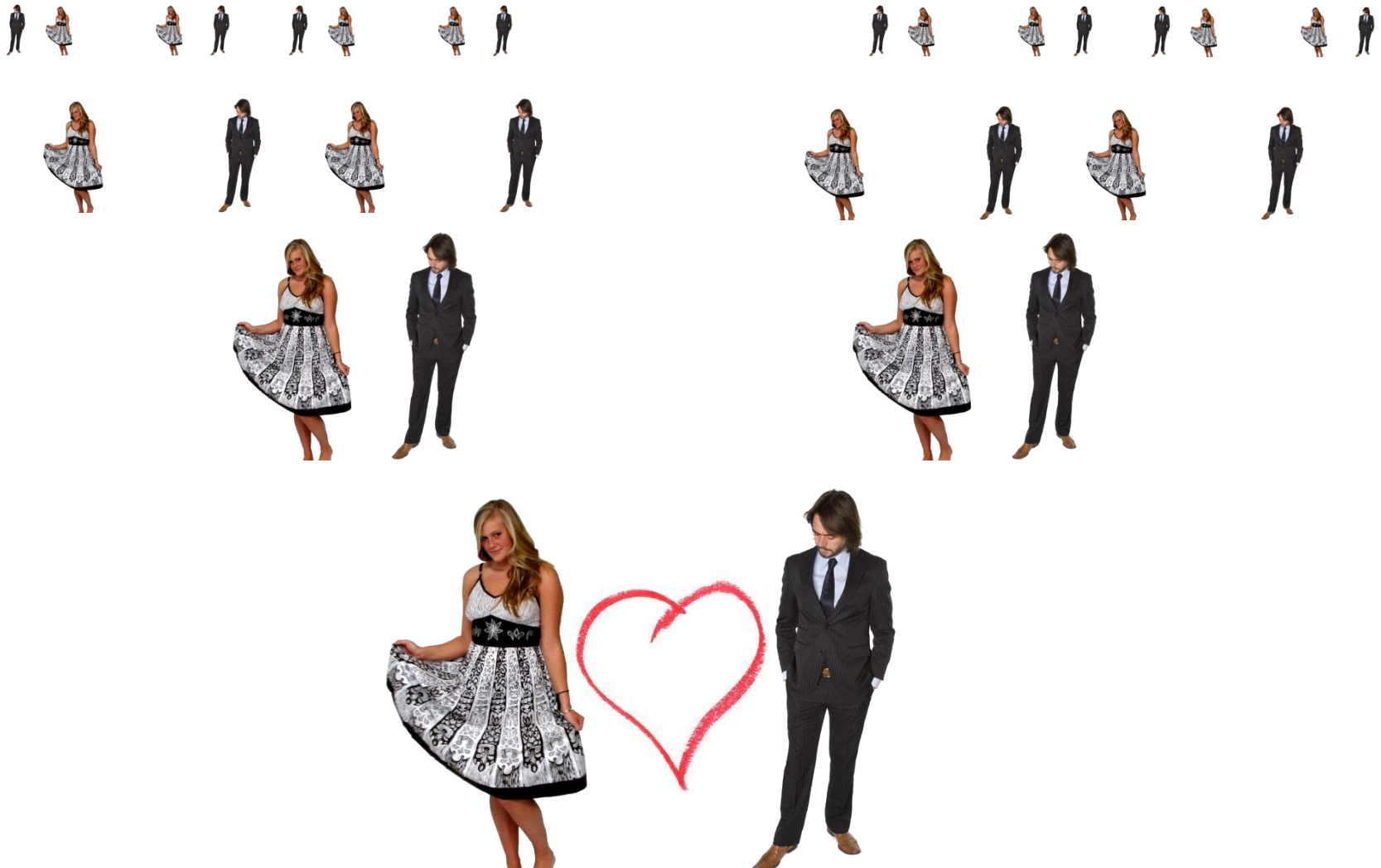
Overpopulation

A large crowd of people, many wearing white caps, gathered on a hillside, with a flag visible in the background. The image is dark and serves as a background for the text.

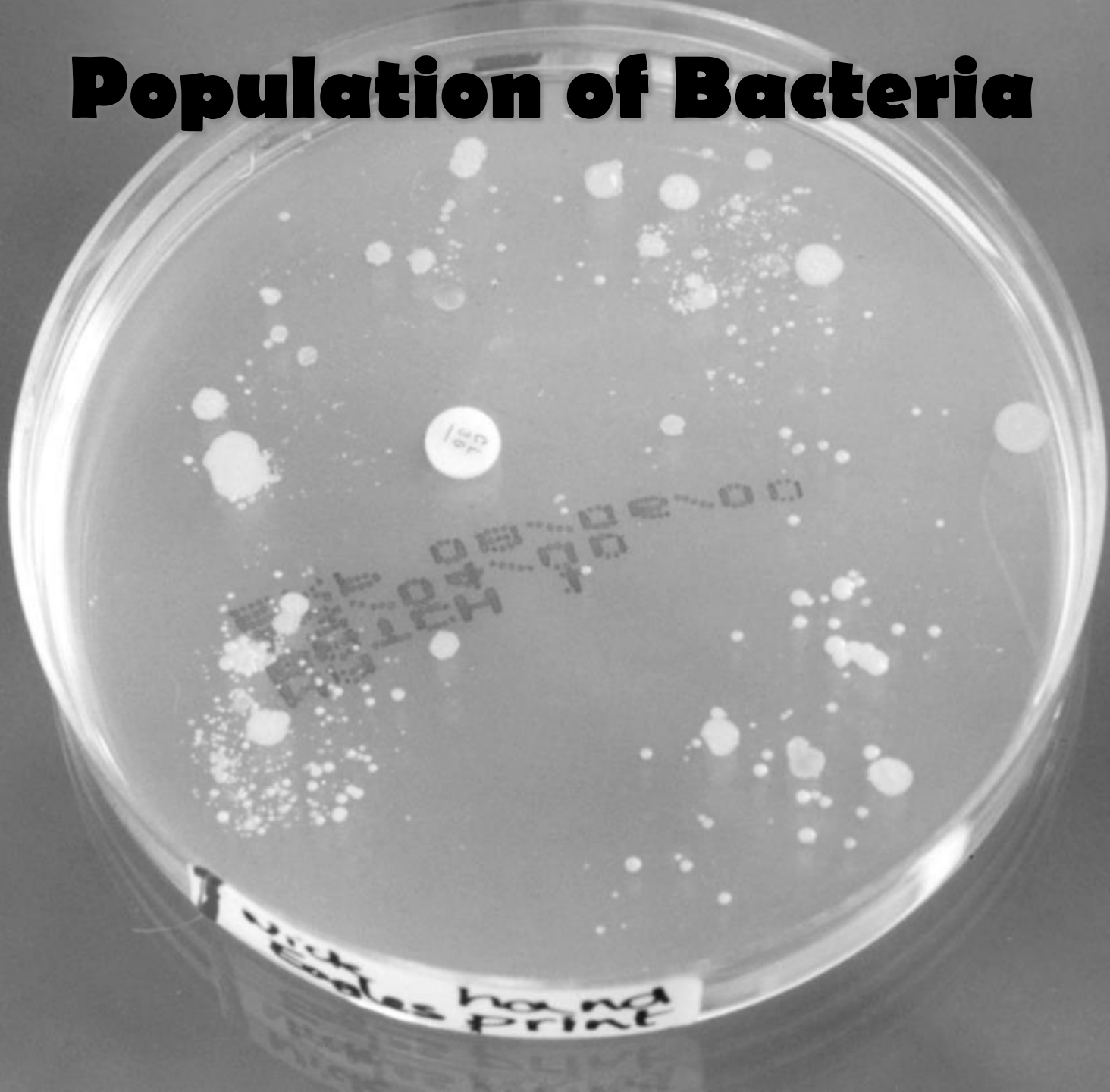
Overpopulation isn't one of the problems... it's the only problem.

- Dr. Charles Hall, Systems Ecologist

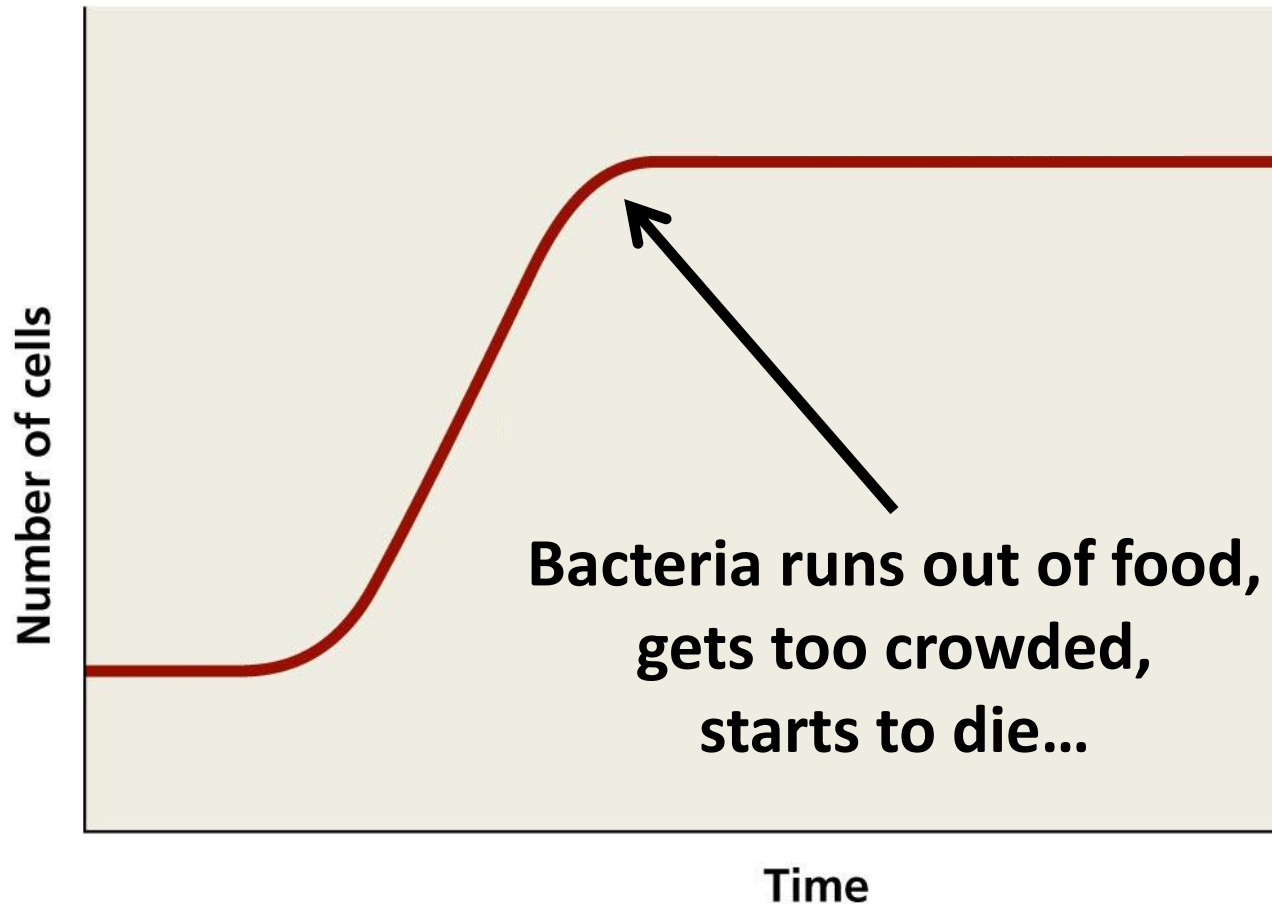
Exponential Growth – the more organisms there are, the more they reproduce



Population of Bacteria



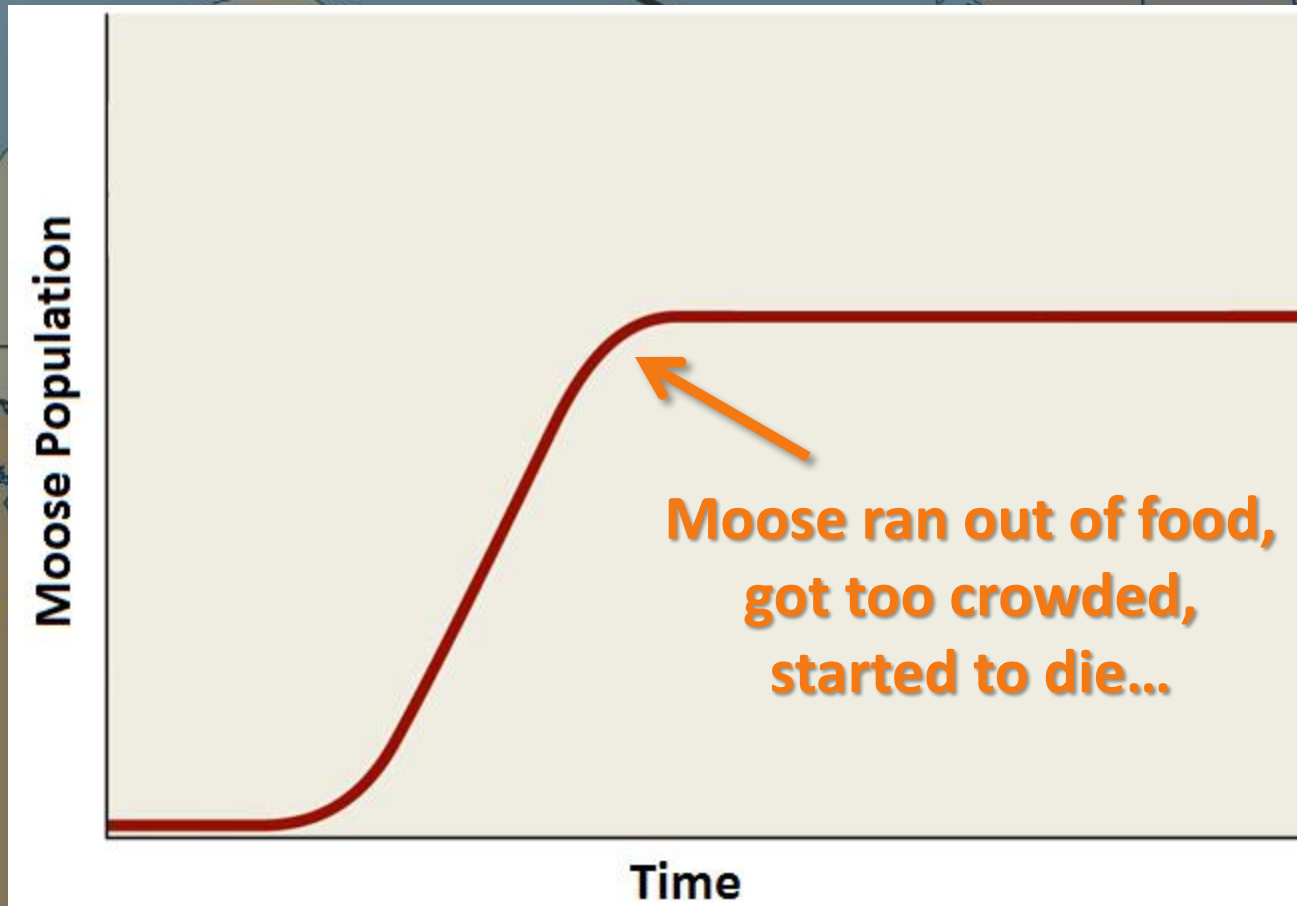
Population of Bacteria



Population of Moose



Population of Moose



Human Population

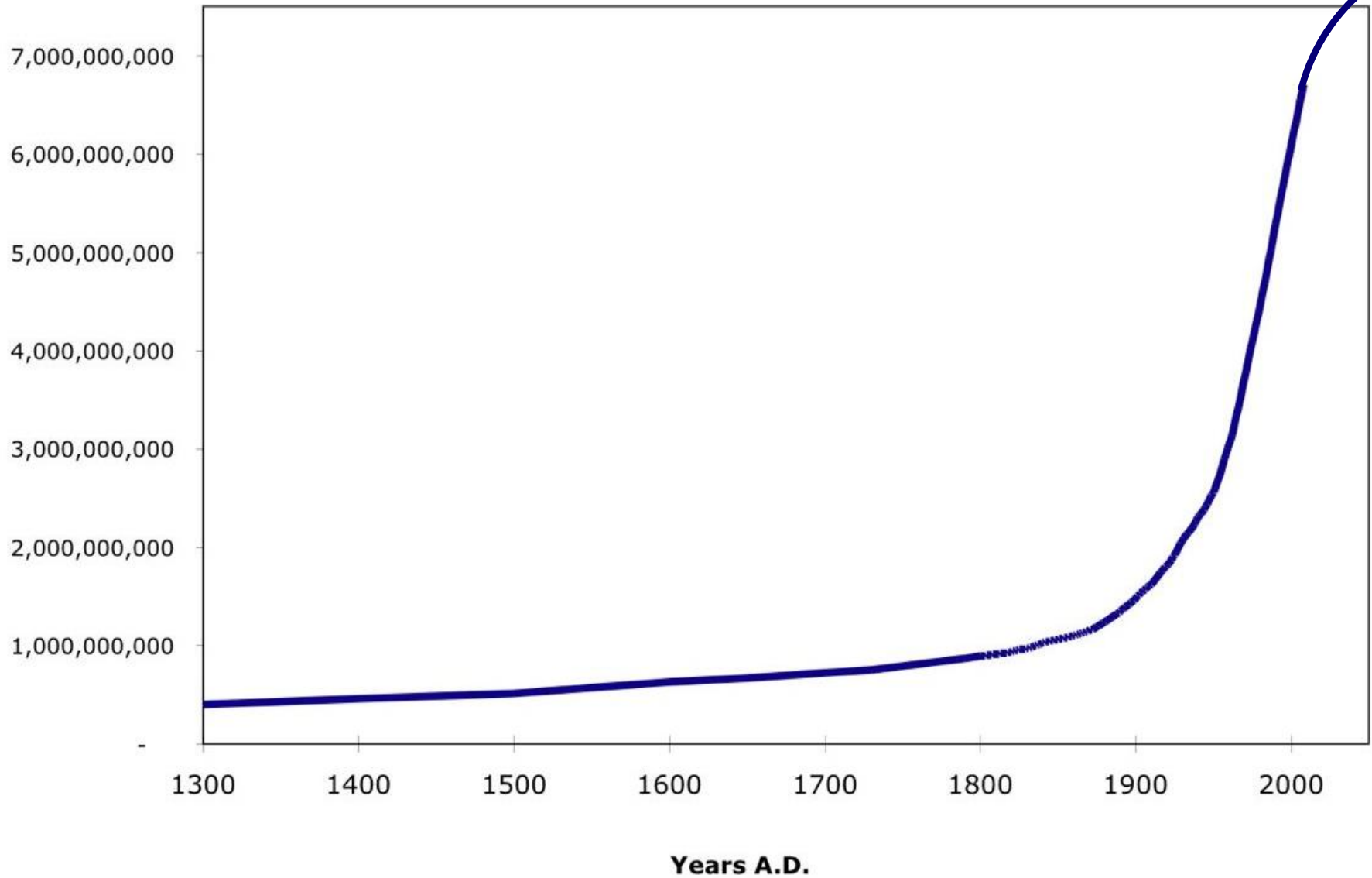
1. On Page 714, set up a graph with the years 1100-2000 on the X-axis and with human population on the Y-axis.

2. Graph the data to the right.

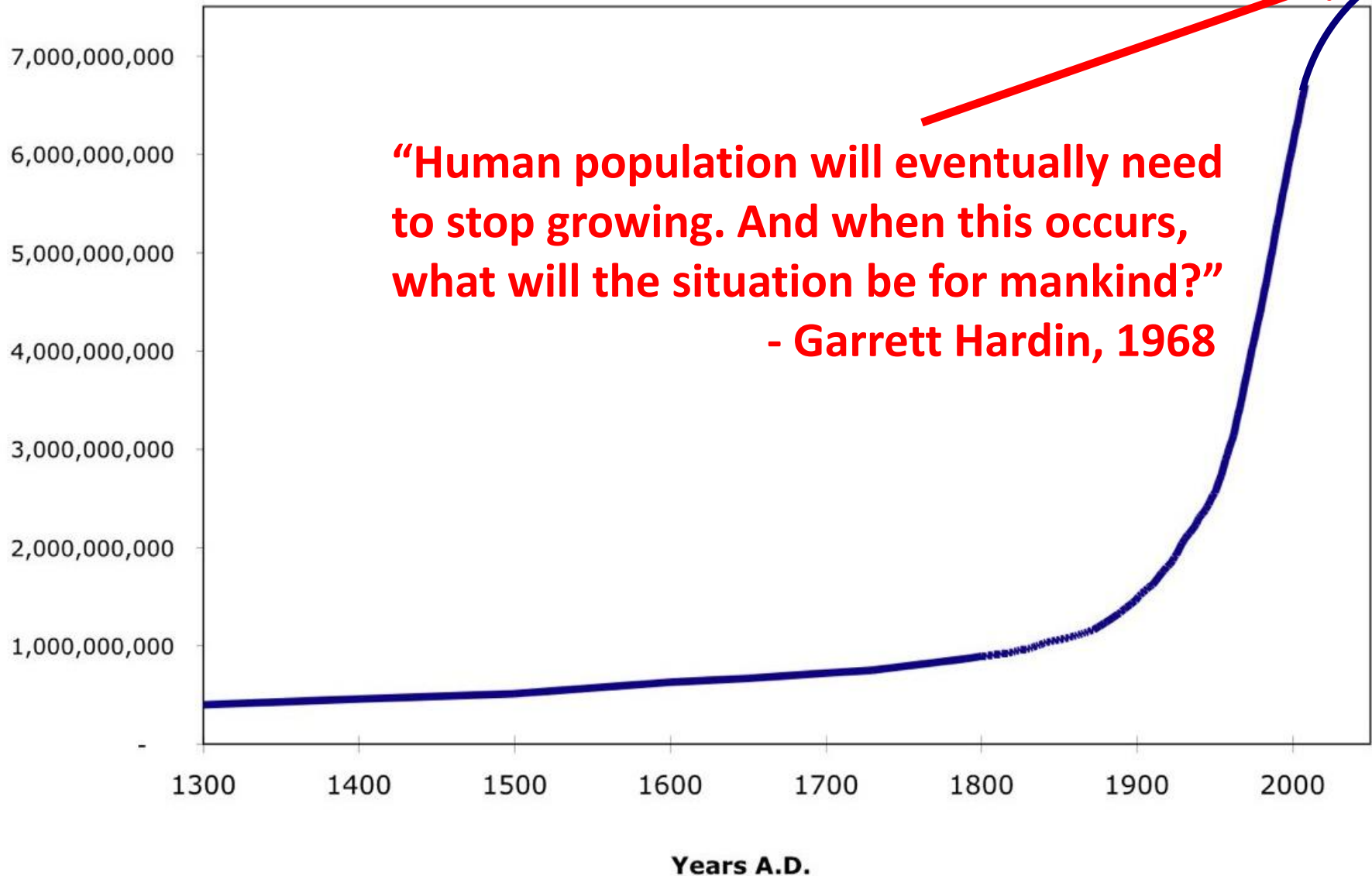
3. Try to project the data into the future.

| Human Population by Year | |
|--------------------------|---------------------|
| 1100 – 0.35 billion | 1600 – 0.7 billion |
| 1200 – 0.4 billion | 1700 – 0.85 billion |
| 1300 – 0.45 billion | 1800 – 1.0 billion |
| 1400 – 0.5 billion | 1900 – 1.8 billion |
| 1500 – 0.6 billion | 2000 – 6.0 billion |

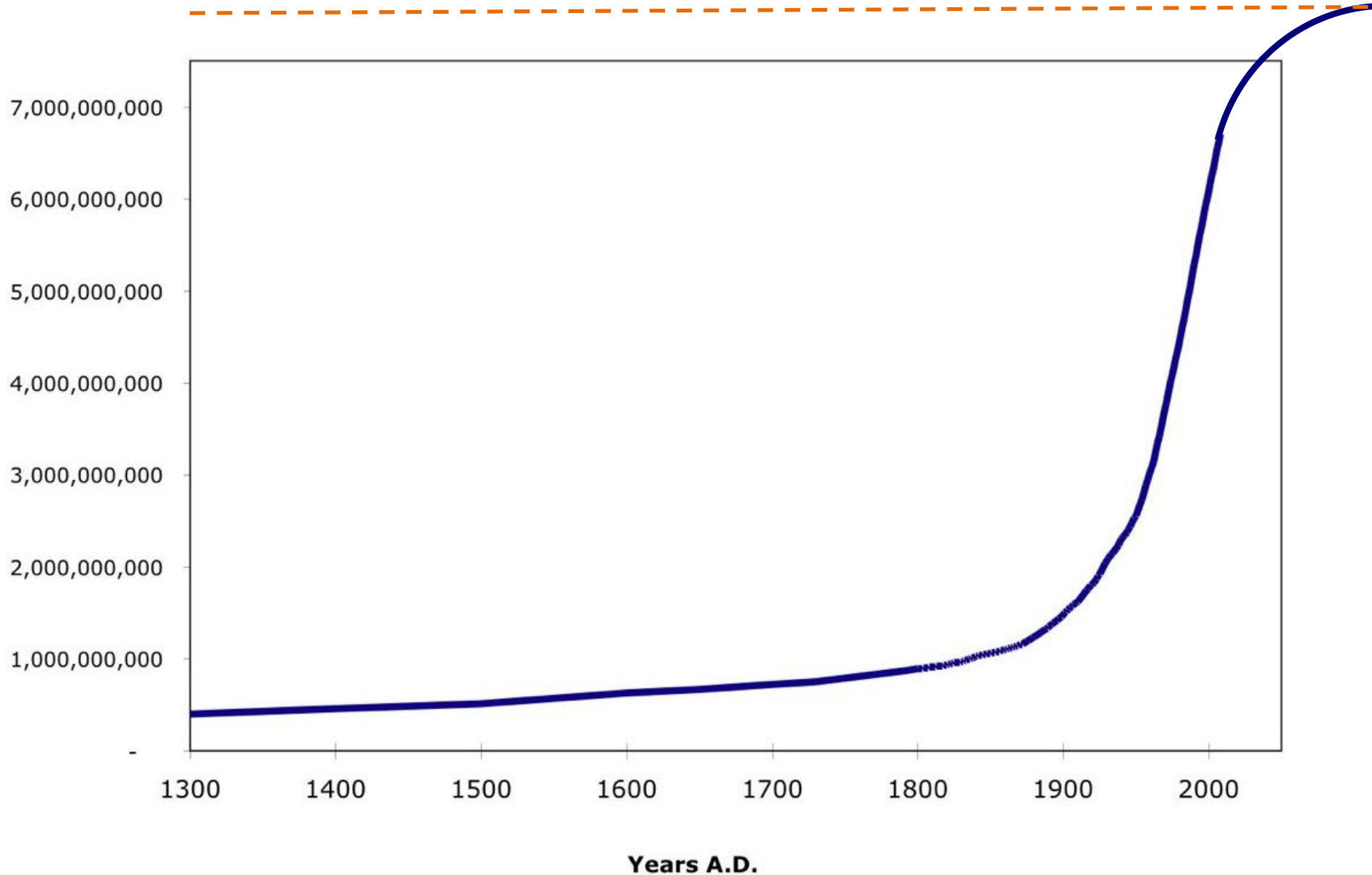
Human Population



Human Population

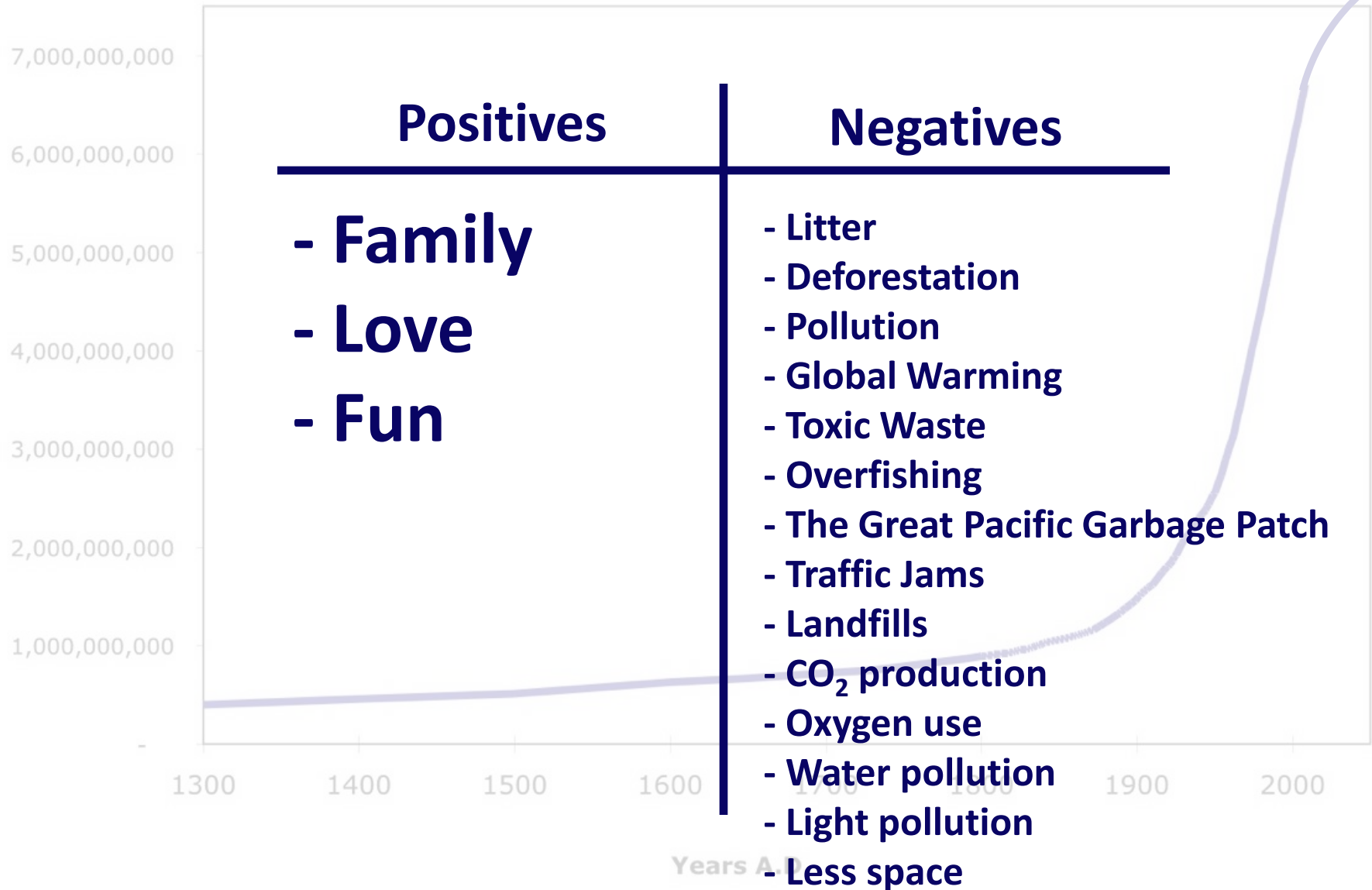


Estimates of how many people Earth can hold vary, but are somewhere around 10 billion



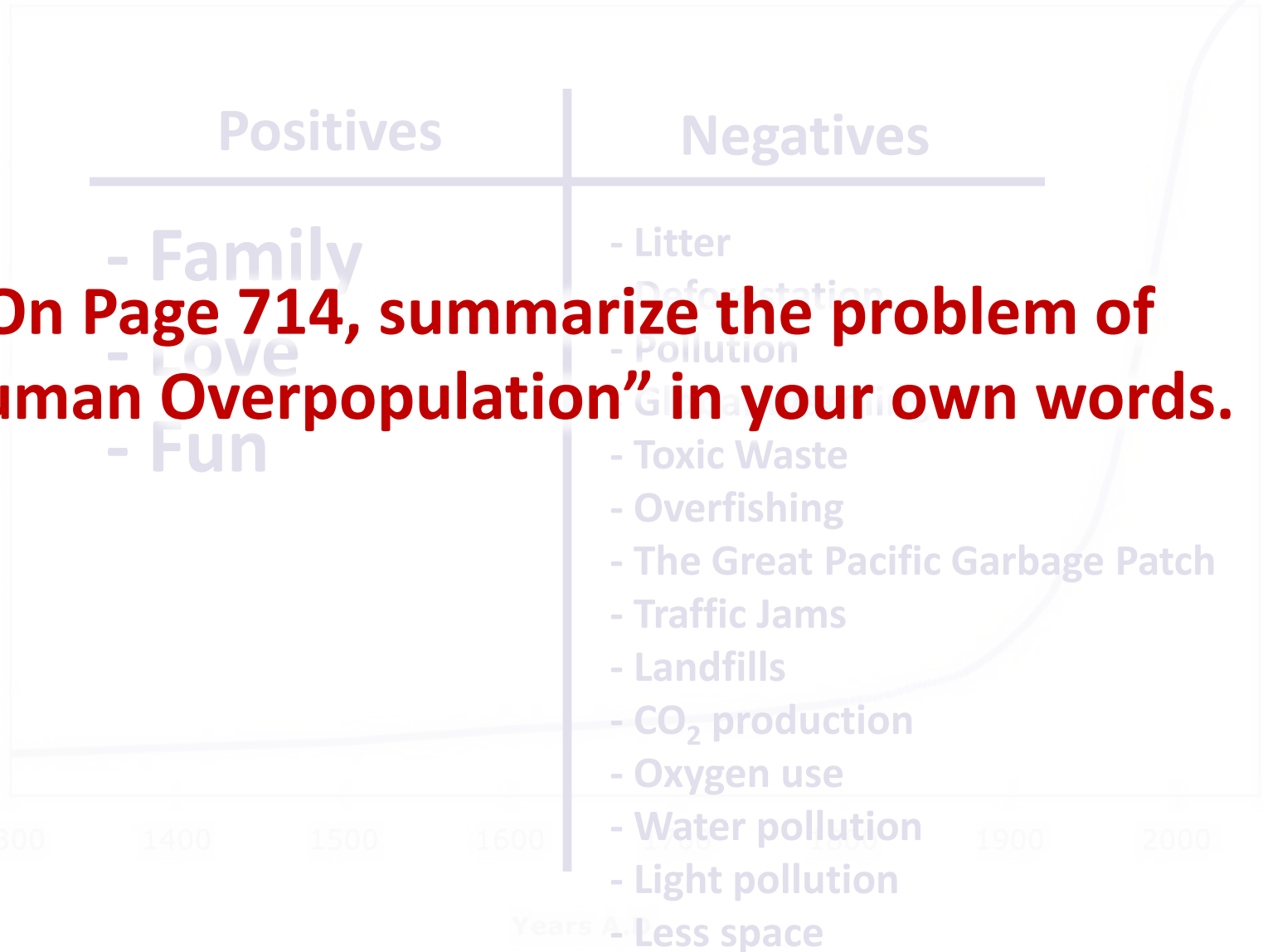
Estimates of how many people Earth can hold

Effects of Having Children...



Estimates of how many people Earth can hold

Effects of Having Children...



On Page 714, summarize the problem of “Human Overpopulation” in your own words.