

Chapter 8-9 Lecture Outline Population Growth

World population is about _____

With only 3% of the Earth able to grow food, how will we feed our growing population?

Two solutions:

1) _____

2) _____

Produce less people - Government supported family planning

- _____
- _____
- _____

Produce more food – GMOs promise to do this

- _____
- _____
- _____
- _____

Developing Countries – the average person has...

- _____
- _____
- _____
- _____
- _____

Developed Countries – the average person has...

- _____
- _____
- _____
- _____
- _____

How populations grow

Populations increase from...

- _____
- _____

Populations decrease from...

- _____
- _____

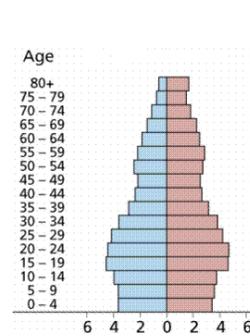
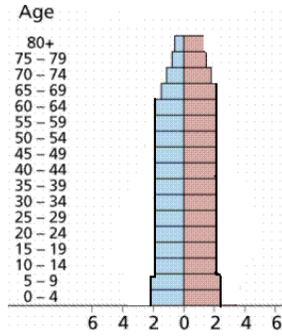
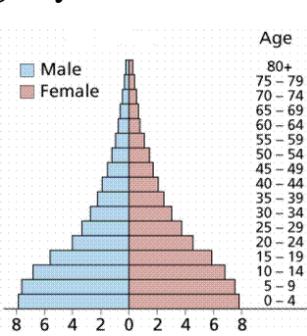
Population Growth Rate = _____

Biotic Potential = _____

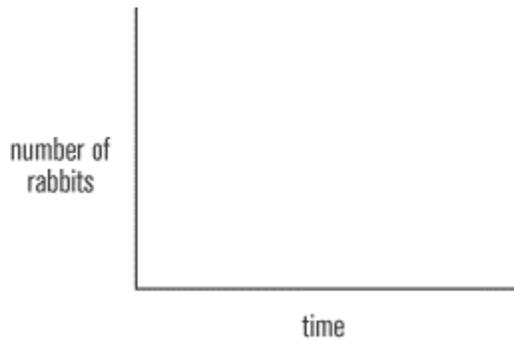
Fertility Rate = _____

Africa	
South America	
Asia	
Oceania	
North America	
Europe	
USSR	
United States	
World	

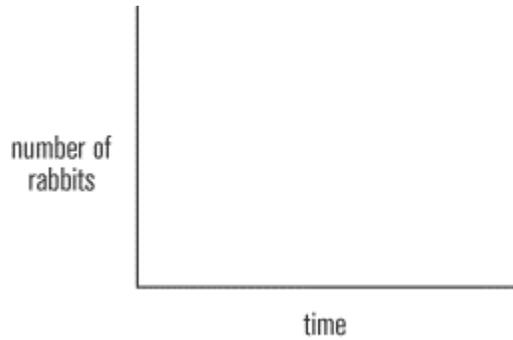
Age Pyramids:



Ideal conditions = _____



Linear Growth = _____

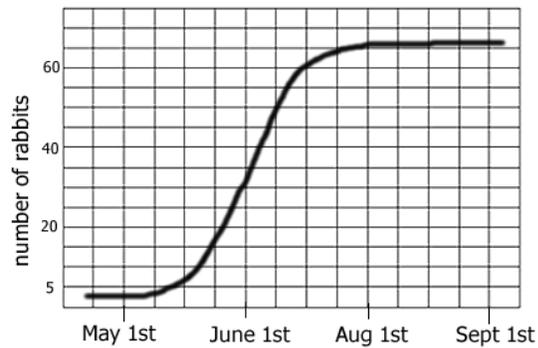


Not the way most populations grow!

Carrying Capacity = _____

A population that has reached its carrying capacity has a _____ curve.

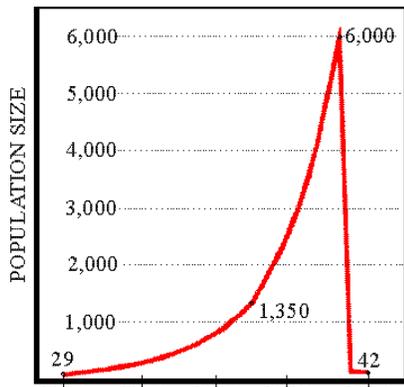
- This curve is described as _____ shaped.



What happens if a population goes past its carrying capacity?

A reindeer story...

- Moose went _____ on St. Matthew Island.
- _____ reindeer were introduced onto the island.
- The population quickly grew to _____.
- No _____ were on the island.
- _____ and _____ of food supply.
- Starvation resulted in _____ survivors.
- The population finally became stable at _____.



Assumed population of the St. Matthew Island reindeer Herd. Actual counts are indicated on the population curve.

← The J part of the curve is called _____ growth.

← The sudden drop in population is called a _____.

Human population growth...



This is a _____ shaped curve.
 What kind of growth is this? _____
 What is the predicted carrying capacity for humans?

 What will happen if human pass the carrying capacity?

We are predicted to reach 7 billion in _____
 8 billion in _____

9 billion in _____

What kind of aid should we give to developing countries?

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____