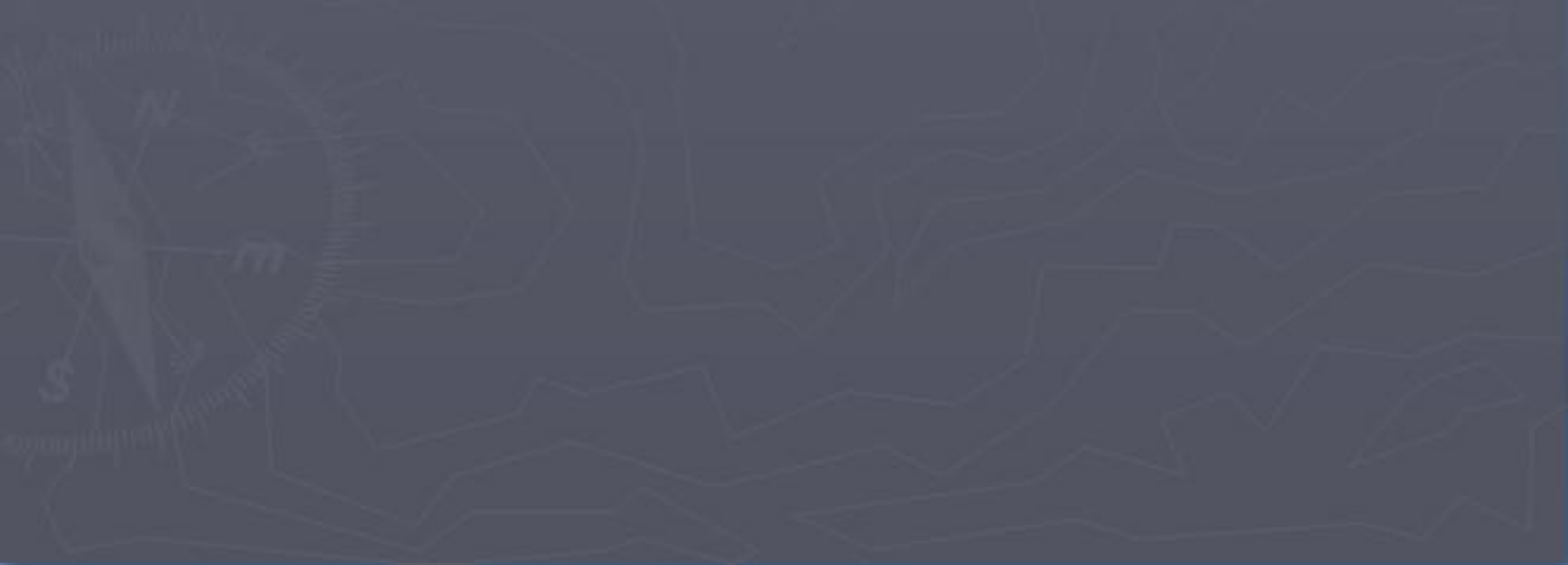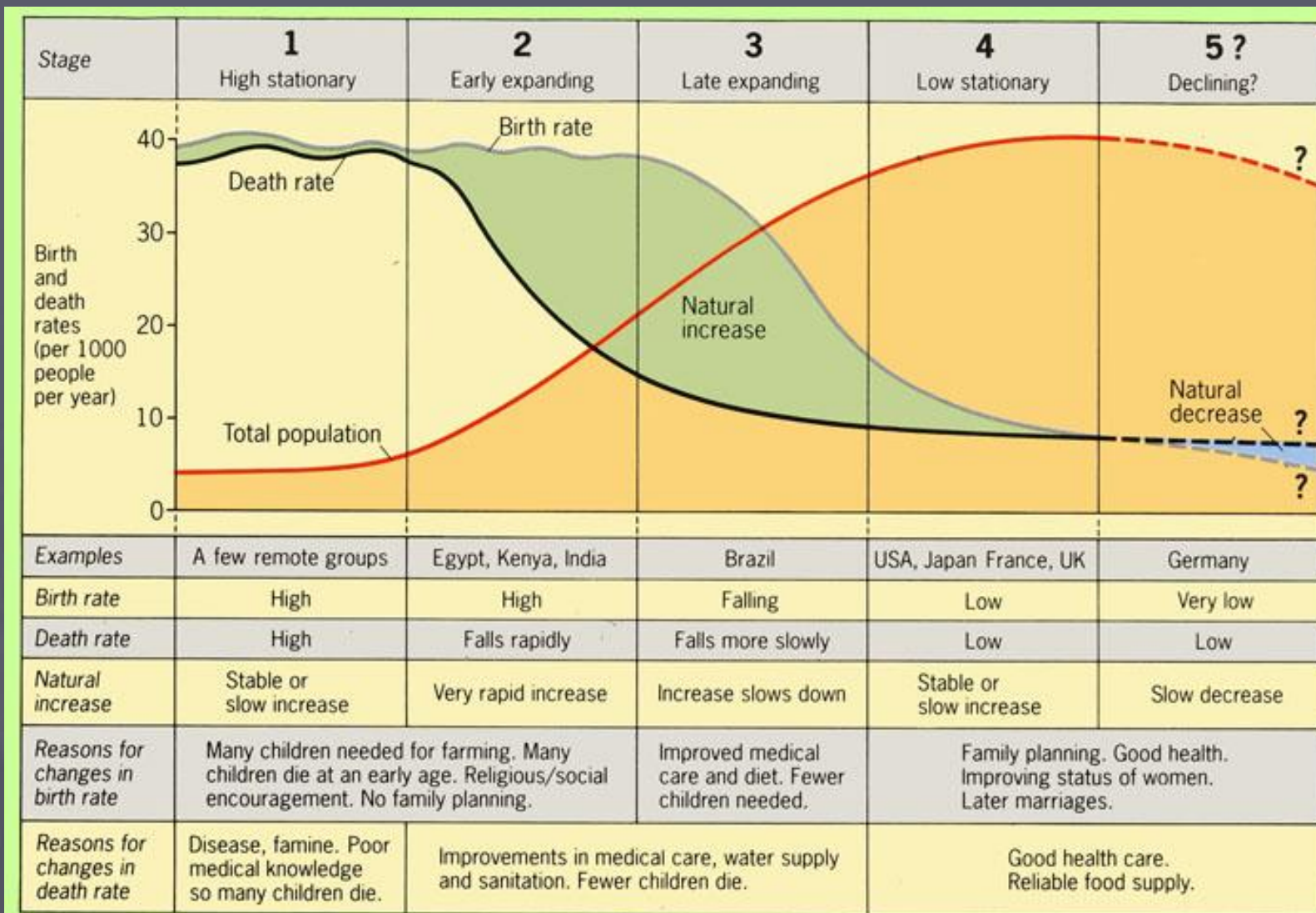# The Demographic Transition Model

Uses of the Demographic Transition Model

- Track and categorize countries based on population statistics
  - Helps determine the overall health of a country and explains trends in growth.

The Demographic Transition Model

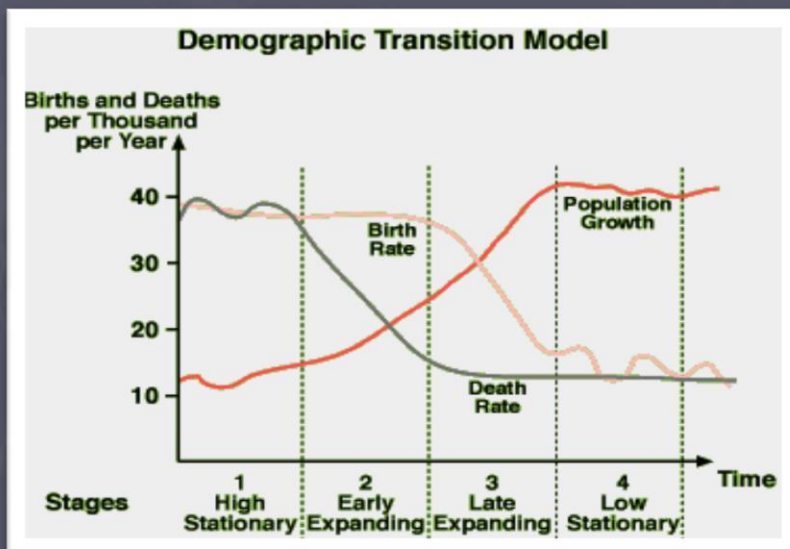| Stage	1 High stationary	2 Early expanding	3 Late expanding	4 Low stationary	5 ? Declining?
Examples	A few remote groups	Egypt, Kenya, India	Brazil	USA, Japan France, UK	Germany
Birth rate	High	High	Falling	Low	Very low
Death rate	High	Falls rapidly	Falls more slowly	Low	Low
Natural increase	Stable or slow increase	Very rapid increase	Increase slows down	Stable or slow increase	Slow decrease
Reasons for changes in birth rate	Many children needed for farming. Many children die at an early age. Religious/social encouragement. No family planning.		Improved medical care and diet. Fewer children needed.	Family planning. Good health. Improving status of women. Later marriages.	
Reasons for changes in death rate	Disease, famine. Poor medical knowledge so many children die.	Improvements in medical care, water supply and sanitation. Fewer children die.		Good health care. Reliable food supply.	

Stage 1: Low Growth/High Stationary

- CBR and CDR are both very high so NIR is almost 0
  - CBR and CDR widely change from year to year

Birth Rate is high as a result of:
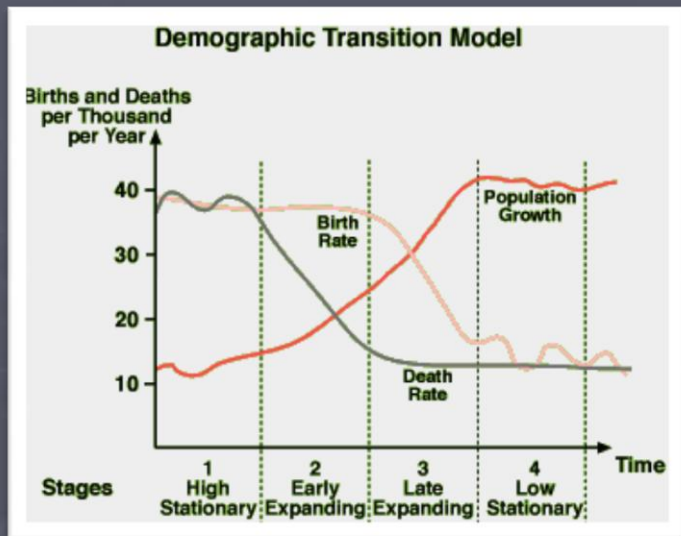- •Need for many babies as there is low chance of survival and need for workers

Death Rate is high because of:
- •Disease and poor medical care

Demographic Transition Model

Births and Deaths per Thousand per Year

40
30
20
10

Birth Rate

Population Growth

Death Rate

Time

Stages
1 High Stationary
2 Early Expanding
3 Late Expanding
4 Low Stationary

Stage 2: High Growth

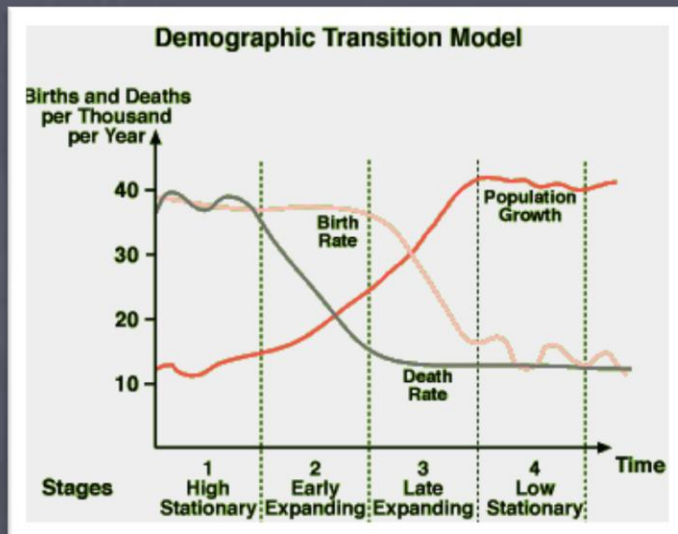- CDR plummets while CBR stays the same, so NIR increases rapidly

Death Rate is falling as a result of:
- Better health care and sanitation gets better

Stage 3: Moderate Growth/Late Expanding

- CBR starts to decline while CDR continues to stay low
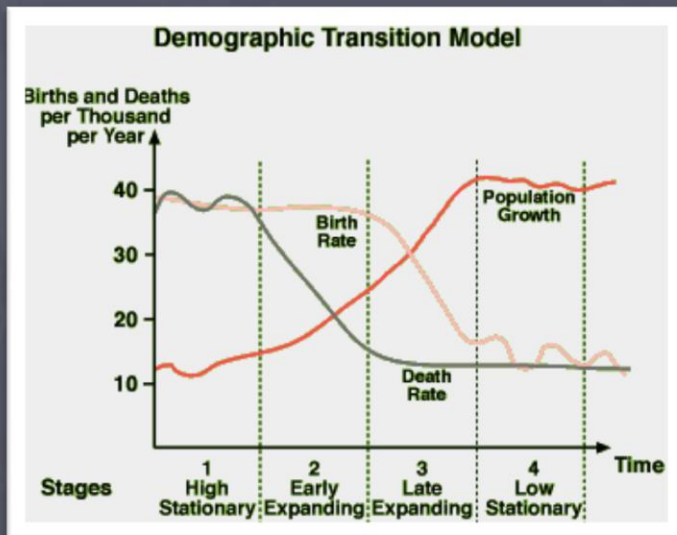   - Allows for only slower growth

Demographic Transition Model

Reasons:
- Family planning gets better and working conditions change needing less workers. Women focus on careers

Stage 4: Low Growth

- A country reaches this point when the CBR and CDR are almost equal leading to an NIR of almost 0

Reasons for Change:
- Higher education levels lead to women working on careers. Families much more likely to spend money on leisure than babies.