D - 1 -		
Date		

AIM:

1. Population change is a result of the interplay between 3 fact	ors:		
A.			
В.			
C.			
2. Calculating Population Growth Rate (%):			
Formula: (CBR-CDR) x 100			
Example 1: What is the growth rate of a population that experiences 40 births per 1000 people per year and 20 deaths per 1000 people per year?			
Example 2:			
What is the growth rate of a population that experiences 15 births per 1000 people per year and 20 deaths per 1000 people per year?			
3. Local Population Change Factoring in Migration (%):			
Example:			
Use all of the following information to calculate a population's growth rate:			
	nmigrants per 1000 people per year		
6 deaths per 1000 people per year 2 er	migrants per 1000 people per year		

4. Zero Population Growth (ZPG):

(CBR + ir) = (CDR + er)

5. Population Doubling Time:

Doubling Time Formula: - "the rule of 70"

Doubling Time (years) = $\frac{70}{\% \text{ growth rate (r)}}$

Examples:

- a. Presently, the world's annual growth rate is 1.08%. How many years until the population doubles?
- b. If the growth rate of a population is .25%, how many years until the population doubles?

Human Population Doubling Time

