

1. What is meant by the term demography? _____

2. On an average day in Canada the following will occur:

- _____ babies are born
- _____ people die
- _____ people immigrate to Canada
- _____ people emigrate from Canada.

As a result there are _____ more people living in Canada than there were at the beginning of the day before.

3. What is meant by the terms... ?

Immigrate: _____

Emigrate: _____

4. Canada's population increase has 2 parts:

1. NATURAL INCREASE refers to _____

In Canada there are _____ births/day and _____ deaths/day. Then the **natural increase** is _____.

2. NET MIGRATION refers to _____

Canada receives _____ immigrants/day and _____ emigrate /day. Then the **net migration** is _____.

Canada's population growth each day is, therefore:

_____ & _____ = _____
 natural increase net migration **population growth/day**

Which of the 2 factors of population growth has made the greatest contribution to Canada's population growth over the last 100 years? _____

What is Canada's current population? _____

Changing Populations---Growth Factors (Rates)

Use rates, Not Numbers

The use of rates and not numbers makes the comparison between countries much more meaningful. i.e Canada has 1070 births per day, Russia has 3600 and Togo about 600. Direct comparison is pointless since the populations of these countries vary greatly. (Canada 30 million, Russia 148 million, and Togo 5 million) What really matters is not the number of births, but the relationship between the number of births and the population.

To calculate Canada's **Birth Rate** divide the number of births in one year by the population and then multiply the result by 1000:

$$\frac{\quad}{30\ 000\ 000} \times 1000 = \frac{\quad}{1000}$$

Similarly the **Death Rate** by dividing the number of deaths in one year by the population and then multiplying the result by 1000:

$$\frac{\quad}{30\ 000\ 000} \times 1000 = \frac{\quad}{1000}$$

The **Birth Rate** and **Death Rate** can be combined into a very useful measurement called the **Natural Increase Rate**. The natural increase rate can be calculated as follows:

$$\begin{aligned} \text{Natural Increase Rate} &= \text{Birth Rate} - \text{Death Rate} \\ &= \frac{\quad}{1000} - \frac{\quad}{1000} \\ &= \frac{\quad}{1000} \end{aligned}$$

Therefore Canada's **Natural Increase Rate** is _____ per 1000. This can be converted to a percentage by:

$$\frac{\quad}{1000} \times 100 = \frac{\quad}{100} \%$$

Natural Increase is a very important concept since _____

Russia has a **Natural Increase Rate** of -0.5%. What does this mean? _____

The second reason why a country's population changes is that people either _____