

Section 20.3: Review Answers

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1. Common answers may include lack of food, clean water, or living space, as well as increased occurrence of disease and violence. Students should be able to justify their choice in terms of global impact of the influence.
2. Because it has the greater population, a reduction in growth would result a larger drop in numbers of births in Brazil than in Turkey. However over time, the impact on Turkey would be greater, because it would experience fewer and fewer births from a shrinking (and already lesser) number of women of reproductive age.
3. As with all other organisms, population density contributes to vulnerability to threats such as disease. The more dense the population, the easier it is to transmit disease among individuals, and it is also likely that resources of all kinds e.g., medicines, healthcare workers, and medical equipment, will be in more demand and supplies may be under pressure.
4. **(a)** The age pyramid for Canada could be described as being rectangular or somewhat like an upside-down triangle. The age pyramids for Ethiopia and India are upright triangle-shaped.
(b) Based on the age pyramid for 2005, the birth rate in Canada is higher than the death rate, however this situation may reverse as the generation in their middle years ages. Based on the age pyramids for

Ethiopia and India for 2005, these countries' birth rates are much higher than their death rates.

- (c) Without increased immigration or an increase in the birth rate in Canada, its population could decline. Otherwise, its population size would remain the same. The large proportion of young people in both Ethiopia and India suggests that their populations will continue to increase substantially in the future. India's population growth may slow sooner than Ethiopia's, since the birth rate in India seems to be stabilizing.