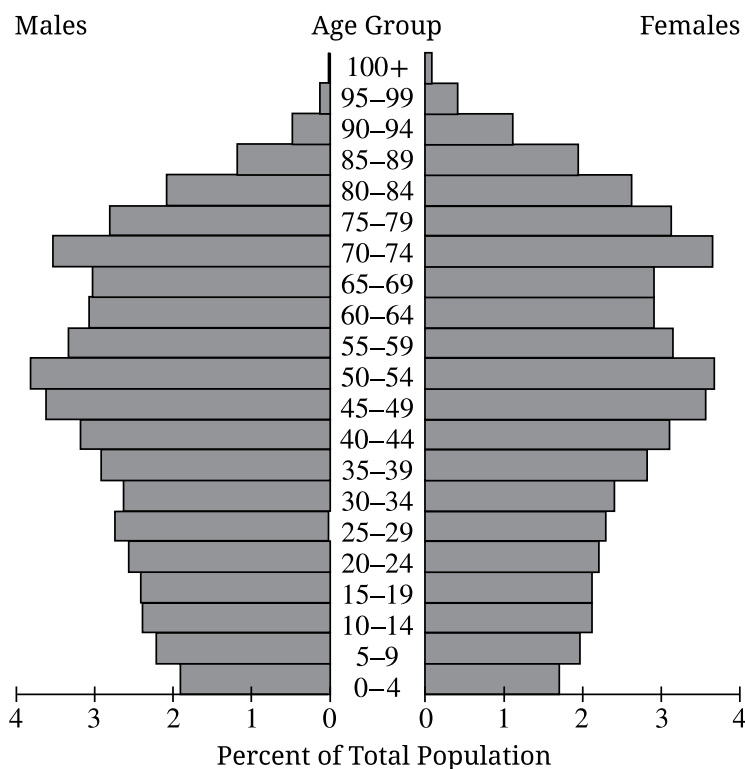


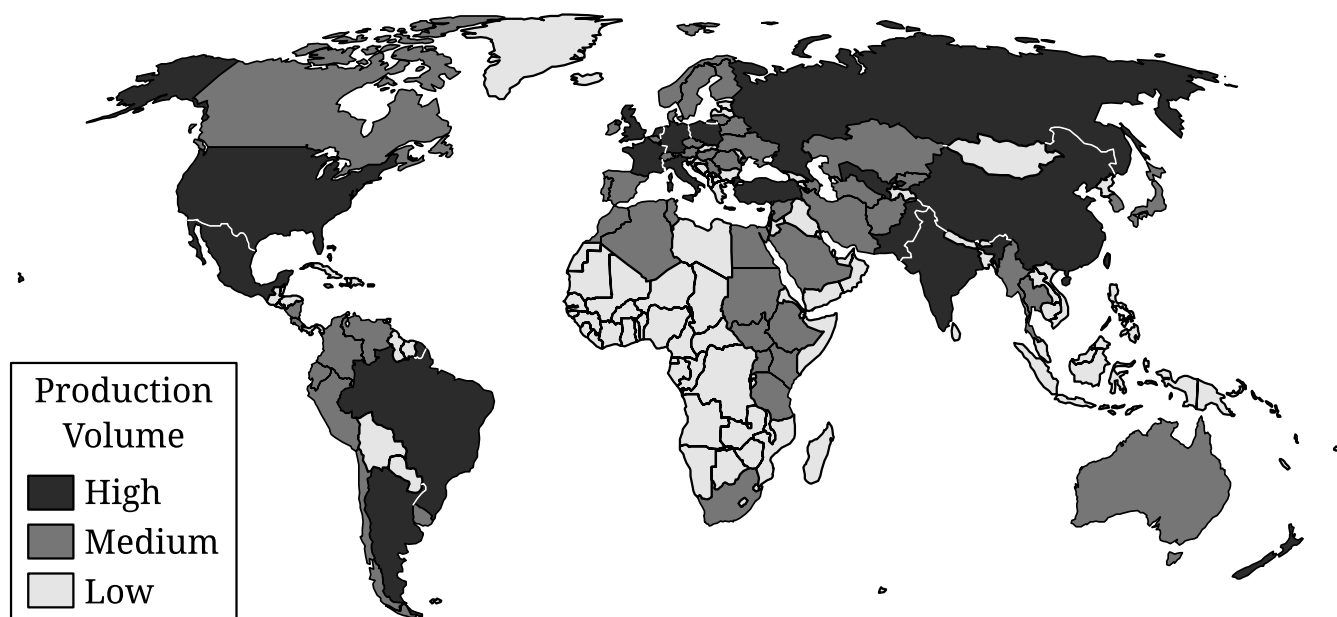
Japan Population Pyramid, 2021

Source: United States Census Bureau International Database

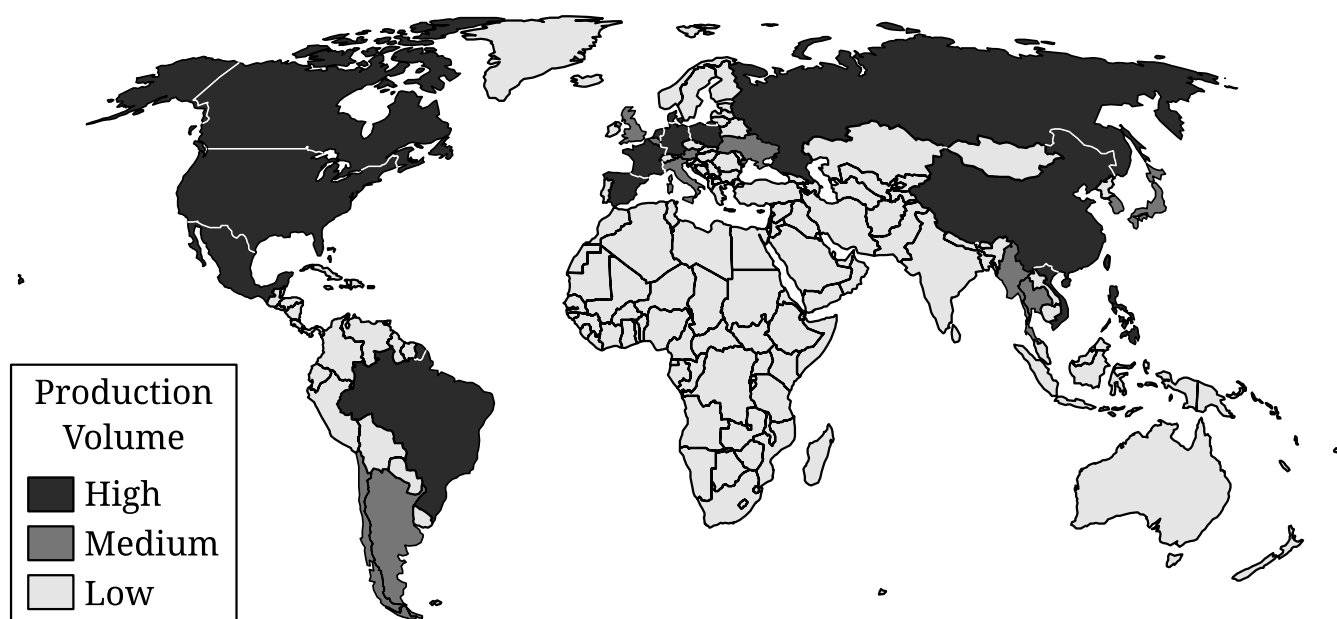
2. A population pyramid shows changes in population over time. A population pyramid breaks down the population by male and female and divides the population into five-year age groupings called cohorts.

Respond to parts A, B, C, D, E, F, and G.

- Identify the recent trend in fertility shown in the population pyramid.
- Based on the data shown in the population pyramid, describe the ratio of males to females in the Japanese population age 80 and above.
- Describe one process that drives urbanization.
- Describe one factor that may lead to a decrease in total population within a more developed country.
- Explain how a country's population pyramid can be used to predict the future needs of the population.
- Explain why the population pyramid provides limited information about immigration to cities in Japan.
- Explain the degree to which a country's population growth rate may be affected by a pronatalist policy. (Response must indicate the degree [low, moderate, high] and provide an explanation.)

Map 1: Cow's Milk Production, 2018

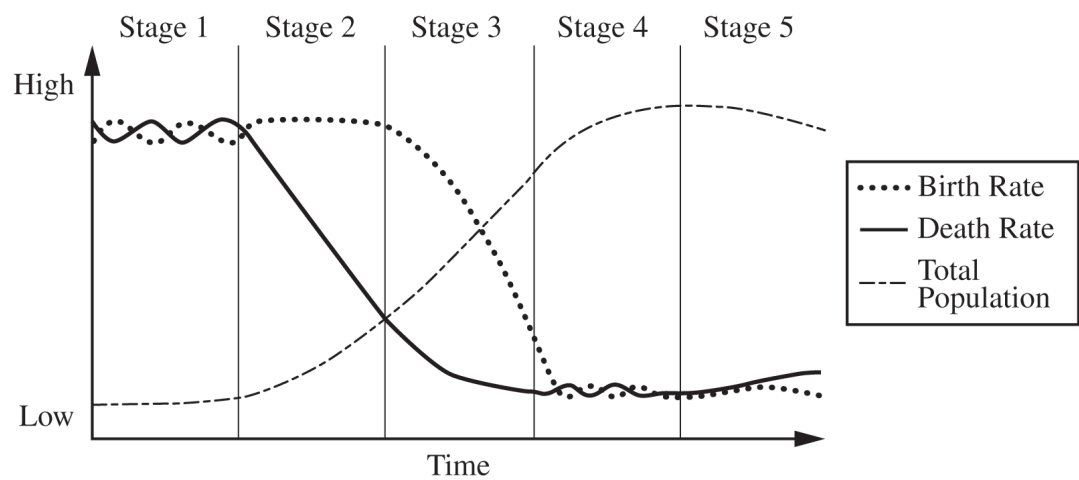
Source: Food and Agriculture Organization

Map 2: Pork Production, 2018

Source: Food and Agriculture Organization

Question 3

Demographic Transition Model



Demographic Data for Selected Countries, 2019

Country	Birth Rate	Death Rate	Population Over Age 65
Croatia	9	13	21%
Estonia	11	12	20%
Germany	9	11	22%
Greece	8	12	22%
Japan	7	11	28%
Portugal	8	11	23%
Romania	10	13	19%

Source: World Bank

3. The demographic transition model can be used to theorize the changes in a country’s total population over time.
- A. Select ONE country listed in the table and identify its stage in the demographic transition model.
 - B. Define the concept of a pronatalist policy.
 - C. Explain ONE factor that affects birth rates as countries move from stage 3 to stage 4 in the demographic transition model.
 - D. Describe ONE likely economic effect when countries have negative population growth.
 - E. Based on the data shown in the table, describe a policy that a government might develop in response to demographic change.
 - F. Explain ONE reason why the life expectancy in urban areas may be higher than the life expectancy in the entire country.
 - G. Using the data in the table, explain how, over time, low birth rates may impact the country’s percent of population over age 65.

STOP

END OF EXAM