

AP Environmental Science

Human Population Dynamics released AP questions (1999, 2003, 2008)

Name: _____

Questions 1-3 refer to the table below, which shows population, area, and energy use of several countries.

Country	Population (millions)	Approximate Total Land Area (million km ²)	Total Annual Electricity Usage (10 ⁹ kWh)
Australia	19.7	8.2	22
Bangladesh	144	0.14	1.6
China	1,295	9.6	150
Ethiopia	70	1.12	0.20
India	1,000	3.29	60
United States	300	9.63	400

- The country with the highest population density is
 - Australia
 - Bangladesh**
 - China
 - Ethiopia
 - India
- The country with a population about three times that of the United States is
 - Australia
 - Bangladesh
 - China
 - Ethiopia
 - India**
- Which of the following practices would have the biggest impact on achieving global sustainability?
 - Recycling aluminum cans
 - Using fuel-efficient vehicles
 - Replanting deforested areas
 - Reducing human population size**
 - Developing ecotourism venues
- As a country goes through the demographic transition, the greatest rate of population growth takes place during which phase?
 - The preindustrial
 - The pretransitional
 - The transitional**
 - The industrial
 - The postindustrial
- Which of the following is a true statement about the total fertility of a society?
 - The total fertility of a society is the difference between the crude birth rate and the crude death rate.
 - The total fertility of a society is the number of children necessary for a couple to replace themselves in the next generation.
 - The total fertility rate of a society is positively correlated with the average education of women.
 - The total fertility rate of a society is negatively correlated with the number of women of child-bearing age.
 - The total fertility of a society decreases as the society progresses through the demographic transition.**
- Which of the following is the best description of a population that has a stable age distribution?
 - A large population that is growing at a constant rate
 - A large population with a negative growth rate
 - A population that is in the early stages of logistic population growth
 - A growing population in which the proportions of individuals in the different age classes remain constant**

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Anthony S. Fauci



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