

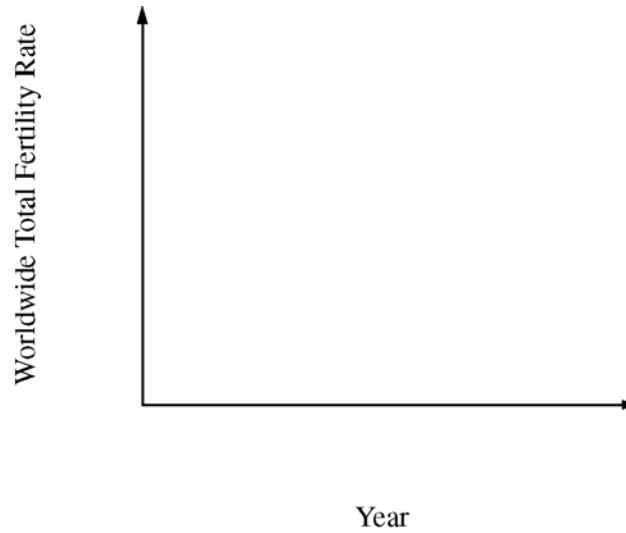
2008 AP® ENVIRONMENTAL SCIENCE FREE-RESPONSE QUESTIONS

4. Answer the following regarding world human population.

(a) Create a graph of the data from table 1 below on the axes provided.

Table 1:
Worldwide
Total Fertility
Rate (TFR)

Year	TFR
1950	5.0
1960	4.9
1970	4.7
1980	3.7
1990	3.4
2000	3.0



(b) Identify and discuss TWO of the causes for the trend in the worldwide TFR that you graphed in part (a).

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Table 2: Population Data for Selected Nations (2005)

Country	TFR	Crude Birth Rate*	Crude Death Rate*	Infant Mortality Rate*	Per Capita Income (U.S. dollars)
China	1.6	12	7	27	6,500
Japan	1.3	9	8	2.8	31,400
Kenya	5.9	43	19	100	1,000
United States	2.0	14	8	6.7	42,000

* rates are per thousand per year

- (c) Consider the data in table 2 above. Identify and discuss TWO economic or societal factors that account for the difference between the TFR of Kenya and that of the United States.
- (d) Describe TWO human activities related to the rapidly growing world population that are having an impact on Earth's biodiversity.

STOP

END OF EXAM