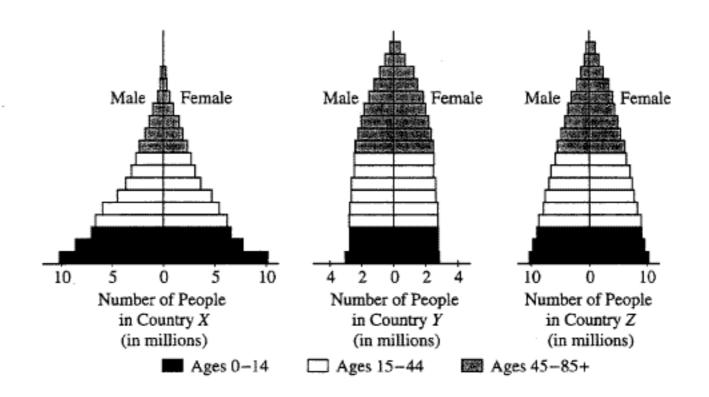


AP Environmental Science 2000 Student Samples

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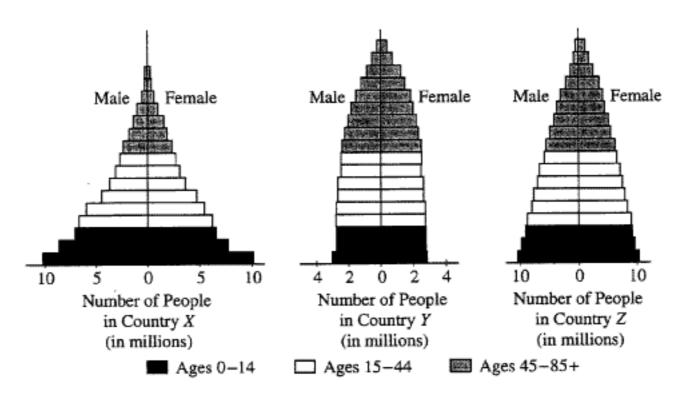


- 4. The figures above show the age structures of human populations in three countries, X, Y and Z.
 - (a) Which of the three countries has the largest rate of population growth? Which has the smallest rate? Explain.
 - (b) Compare the infant mortality rates that are likely in Countries X and Y. Explain your reasoning.
 - (c) Describe the changes in both the birth rate and the death rate for a country making the transition from a preindustrial society to an industrial society.
 - (d) Describe one incentive that the government of a country could offer its citizens that would favor a reduction in the growth rate of its population. Explain how this incentive would work, and describe one possible drawback.

a) C	cuntry x has the largest rate of population
	mouth white country y has the least
`	soquiation grown rate maintaing a fairly
	and bruianced population. The reason for
	this is in the productive a prereproductive
	populations. Country x has a large pre-reproductive
	population which will soon become its
	reproductive age and will therefor have more
	children thus coursing an increased birthrate
	and a constant crude dooth rate. Country

Y on the other hand has preached a.
place where the reproductive population
Diace concret por representativo population
and the post pre-reproductive population
are in all respects equal.
B) Country Y will have a lower infant
mortality rate the country & would have
The age pyramid for country & would have.
undeveloped country with decreased
technology will country Y is a developed
country and more likely has the resources
and testerology to make the
insaint mortalities that occur is the third
world countries.
death rates and birth rates are high.
as a country begins to industriative technology
as a country begins to industrialize technology lowers the death rate but the birth rate
as a country begins to industrialize technology lowers the death rate but the birth rate remains high as a result of the culture.
as a country begins to industrialize technology lowers the death rate but the birth rate remains high as a result of the culture. as the country becomes more industrialized,
death rates and birth rates are rugh. as a country begins to industrialize technology lowers the death rate but the birth rate remains high as a result of the culture. as the country becomes more industrialized, the standard of living increases, education.
death rates and birth rates are righ. As a country begins to industrialize technology lowers the death rate but the birth rate remains high as a result of the culture. As the country becomes more industrialized, the standard of living increases, education, becomes available apout birth control, and
death rates and birth rates are high. As a country begins to industrialize technology lowers the death rate but the birth rate remains high as a result of the culture. As the country becomes more industrialized, the standard of living increases, education becomes available about birth control, and womens pole in society changes - causing a
death rates and birth rates are right. As a country begins to industrialize technology lowers the death rate but the birth rate remains high as a result of the culture. As the country becomes more industrialized, the standard of living increases, education becomes available about birth control, and womens role in society changes - causing a decline in birth rates with the declining
death rates and birth rates are high. As a country begins to industrialize technology howers the death rate but the birth rate remains high as a result of the culture. As the country becomes more industrialized, the standard of living increases, education, becomes available about birth control, and womens role in savity changes - causing a decline in birth rates with the declining alath rate. Once a country has reached
death rates and birth rates are high. As a country begins to industrialize technology lowers the death rate but the birth rate remains high as a result of the culture. As the country becomes more industrialized, the standard of living increases, education, becomes available about birth control, and womens role in society changes—causing a decline in birth rates with the declining alath rate. Once a country has reached industrialization, the birth rates and
death rates and birth rates are right. As a country begins to industrialize technology howers the death rate but the birth rate remains high as a result of the culture. As the country becomes more industrialized, the standard of living increases, education becomes available about birth control, and womens role in society changes - causing a decline in birth rates with the declining a death rate. Once a country has reached industrialization, the birth rates and clearly rates are low mainly as a result.
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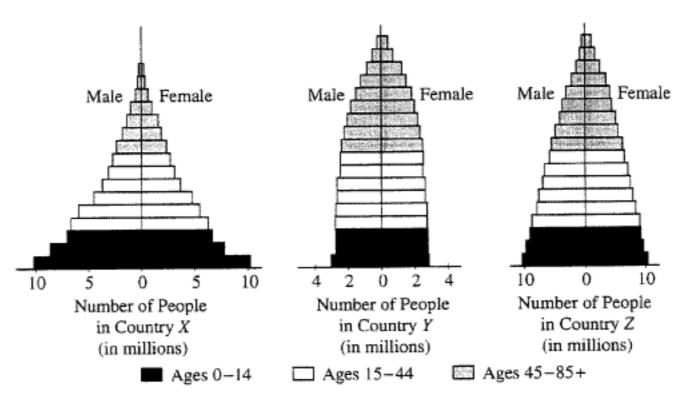
D) One incentive that a government could
offer to its cuttiens that would favor
reduction in The growth rate would
be a tax break for families with only
one or no children. For economical
reasons The family would cheer not
have children. There is a drawbach
morah. Some families need more
children so that they can work and
neip support the family, also parents
enjoy children so that they can take
care of them another were is in
places where one sex is valued above
the other, limits on enderen promote
abortions and killing infinates at birth
as has happened in China.



- 4. The figures above show the age structures of human populations in three countries, X, Y and Z.
 - (a) Which of the three countries has the largest rate of population growth? Which has the smallest rate? Explain.
 - (b) Compare the infant mortality rates that are likely in Countries X and Y. Explain your reasoning.
 - (c) Describe the changes in both the birth rate and the death rate for a country making the transition from a preindustrial society to an industrial society.
 - (d) Describe one incentive that the government of a country could offer its citizens that would favor a reduction in the growth rate of its population. Explain how this incentive would work, and describe one possible drawback.

à.	Country X has the largest rate of population growth. The graph is bottom-heavy.
	Country V has the smallest rate of population growth. The graphic approximate-
	by balanced, and there are about equally the number of reproductive age
	people and the number of nonreproductive people. The birth rate would be
	equal or less than the depth rate while in Country X, the birth rate
	is far above the death rate.
	\

6. In Country X, the infant mortality rates are likely to be high. This country is like.
by to be a LDC, a less developed country. Prenatal care and sex education
is loss advanced, and there are too many infants per caregiver. Infants are
more likely to die in this quartry.
In Country V. the infant nortality rates are likely to be low. This country is like-
by to be an industrialized MDC. Prenatal care and sex education would be
advanced, and there are many caregivers per infant. Infants are less likely to
die in this country.
c. In a constry making the transition from a preindustrial society to an industrial so-
ciety the birth rates will decrease as nill the death rates. Less helping hands
are noeded in an non-agricultural society, so less children would be needed.
Intraceptives and advanced sex education will be more available, leading to less
and this causes a lowered death rate.
AND THIS PURCHE APRILLE THE
d. To offer citizens incentives that would favor a reduction in the growth rate
of a population, a povernment can servard complex who have one or few chil-
dren with tax breaks. It can penalize complex with more than one child
by not given , them tax breaks and even having penulty costs. One possible
drawback is infanticide for couples who accidentally have an unwanted birth.
Basic human rights and freedoms may also be violated.



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O Country & his me highest rate of population growth because a significantly more amount of individuals care between ages of 6-14 then 45-95 which show a high birth rate and thus a large rate of population growth to because a singulationally fewer amount of individuals are among age of 14 and sower decreasing in amount as age goes up as seen more aleasily to country & and 2.

Thus country if has me lawest rate of population growth.

D) Country is seems to have a higher infant mortality.

rate then country X. This can be proved by omening the
graphs more individuals are alive in carping X within the
cases of 0-14 than in country y. This mus proves most extrest
camply y has a much lower born rate men country x
or that its infant mortality rare is a lot higher.
1) From a pre-industrial to an industrial society a
country changes in born its born and its decun rate.
Drans become Fewer in humber as scanitary
conditions improve and people are supplied with the
materials mey need to survive they did not have in the
preindishial era for at least not in a large quantity)
The birm rate would probably decrease to because
individuous would be more educated and would have
better access to both control. However, because of the
better conditions created during the industrial society,
me intrant deam vote would definately decrease
causing an nowerse in the rate of population graces
In the avea.
A T = = = = = = = = = = = = = = = = = =
d) The gove could offer Grancial and to those tomines who
have has or fewer Children. This people would be
rewarded for howing small formines. The gov would
have an census every 2-5 years inwhich he
Children For Count compte would be conted The Fewer
the children me more me financial aid and me more
the 1853 Financial aid. The money from this for this
and would be Ebacined by punishing more with more then
two children. They would be Fred heavily and money
would be dispursed among those who quality for knowed
sid. One droughook to this incentitive would be, if

everyone followed ma law. Than everyone would be
qualified for financial aid and their wanied be no where
to obtain the money since no one was being punished,
This could cause the the country countries economy
to eventually crumble.
TO CHENTICULARY CONTROL