4 DEMOGRAPHIC TRANSITION

-		aps with any suitable a v=nonCD5GR9bw 1.04 - 2		listen and cor	npare.		
		nodel shows the interact e rate of natural increase		ee	over time:		
2. If a country in a partic		that means 66	to				
3. If a country has a birth rate of 66 and a death rate of 25, then its rate of natural increase is							
4. The world's current rate of natural increase is approximately%.							
2. Brainsto	rm what you know	w about demographic	transition:				
	at demographic cha ustrialized economi	anges take place as a cou c system?	untry develops fr	om a pre-indus	trial to an		
• Hov	w many stages are t	here in the transition m	odel?				
Draw the	graph of the demog	graphic transition.					
Vocabulary	for graphs - choo	se a few expression a	nd describe you	ur picture.			
fluctuate vary level off	at high level at low level	remain high / low approach zero reach a peak	fall drop decrease	grow rise increase	moderate growth rapid drop low increase		

decline

Demographic Transition and Population Pyramids

5. If the top of a pyramid is thick, this is high

	os://www.youtube.com/watch?v=nonCD5GR9bw								
	Vatch the first part of the video and decide whether the statements a	re true or false. 2.14 - 4.30							
	A) Stage 1: In the first stage birth and death rate vary.								
ı	B) Stage 2: The drop of the death rate is due to improvements in education.								
(C) Stage 3: Nations in stage three see children as a necessity.								
١	D) Stage 4: Natural increase of population approaches zero.								
ı	E) Stage 5: Shrinking population means people have shorter lives.								
ı	F) Natural increase in stage 4 resembles natural increase in stage 1.								
	Population pyramids the words below to write an explanation of what a population pyran	nid is. Check with the video 4.38.							
lt i	is a that	by displaying							
	n a	.,, .							
	country's population age and gender graphic device . g demonstrates structure	roups two-sided graph							
\A/I	hat does the population pyramid of your country look like?								
Drav	w population pyramids representing 4 stages of the demographic tra	nsition model. Describe them.							
	1. 2. 3.	4.							
Wat	tch the last part and complete the table below. 4.30 – 5.50								
	1. A population pyramid is this type of graph								
-	2. Which characteristic of a pyramid shows a lot of information?								
-	3. Wide bottom indicates high								
=	4. Sharply pointed end of a pyramid means high								

Stages of Demographic Transition

In pairs check whether you understand the meanings of these words.

shrinking population sanitation life span stagnant development

subsistence agriculture contraception economic burden imbalance

Put the parts A - D in the right order.

- A During this stage there are both low birth rates and low death rates. Birth rates may drop to well below replacement level, leading to a shrinking population. As the large group born during stage two grows old, it creates an economic burden on the shrinking working population. Death rates may remain consistently low or increase slightly due to increases in lifestyle diseases because of low exercise levels and high obesity and an aging population.
- **B** Death rates drop rapidly owing to improvements in food supply and sanitation, which increase life spans and reduce disease. These changes usually come about due to improvements in farming techniques, access to technology, basic healthcare, and education. Without a corresponding fall in birth rates this produces an imbalance, and the countries in this stage experience a large increase in population.
- **C** Birth rates fall as a result of access to contraception, increases in wages, urbanization, a reduction in subsistence agriculture, an increase in the status and education of women, a reduction in the value of children's work, an increase in parental investment in the education of children and other social changes. Population growth begins to level off.
- **D** In this stage death rates and birth rates are high and roughly in balance. Population growth is typically very slow. Unless the society develops new technologies to increase food production (e.g. discovers new sources of food or achieves higher crop yields), any fluctuations in birth rates are soon matched by death rates.

Find phrases in the text which express cause – effect relationship.

Hans Rosling: Global population growth, box by box

https://www.ted.com/talks/hans rosling on global population growth

Professor Rosling talks about people in different countries and their wishes about what they want to buy. What do you think these wishes are?

- in developing countries:
- in newly industrialized countries/emerging economies:
- in the richest countries:

Read the extract form the talk and explain how you understand the underlined phrases.

And what will happen in the future? Well, I'm going to project into 2050. I was in Shanghai recently, and I listened to what's happening in China, and it's pretty sure that they will catch up, just as Japan did. And these lower or middle income countries, the emerging income countries, they will also forge forwards economically. And if, but only if, we invest in the right green technology — so that we can avoid severe climate change, and energy can still be relatively cheap — then they will move all the way up here. And they will start to buy electric cars. This is what we will find there.

So what about the poorest two billion? What about the poorest two billion here? Will they move on? Well, here population [growth] comes in because there [among emerging economies] we already have two to three children per woman, <u>family planning</u> is widely used, and population growth is coming to an end. Here [among the poorest], population is growing. So these [poorest] two billion will, in the next decades, increase to three billion, and they will thereafter increase to four billion. There is nothing — but a nuclear war of a kind we've never seen — that can stop this [growth] from happening. Because we already have this [growth] in process. But if, and only if, [the poorest] get out of poverty, they get education, they get improved <u>child survival</u>, they can buy a bicycle and a cell phone and come [to live] here, then population growth will stop in 2050.

Watch the video and say how far you agree with the professor.

determined

More of his arguments here – watch for homework

Will saving poor children lead to overpopulation? https://www.youtube.com/watch?v=BkSO9pOVpRM

HOMEWORK: Demographic Transition - Stage One Complete the missing terms. There are three extra words that will not be needed.

fluctuated

_		-			•
	nonexistent	siblings	insurance	education	increased
according young poly rates were death rate during the 40 per 100 carrying witheir 5 to the famage. In Incrates rem	to natural event bulation. Family p e essentially only es in some special e 19th century), b 00 per year. Child water, firewood, eparing food, and mily business, main dia, an adult son	is, such as drougolanning and con limited by the all cases (for example, overall, death and messages, I working in the fousehold. In additionly farming, and was all that prevolanting that prevolanting in the fousehold.	ght and disease, traception were bility of women to apple, Europe and the rates tended to the economy caring for youn fields. The total country because the primary wented a widow to the discountry of the primary wented a widow to trace the primary wented a widow t	to produce a revirtually 2	I 1 rapidly elatively constant and; therefore, birth Emigration depressed Eastern United States es, often 3
essentially example,	/ 7 by	the food supply improvements,	y. Any fluctuatio or negative, due	ns in food supple to droughts and	ligm, with population y (either positive, for d pest invasions) tend cant 8 are

contribution

deaths

mortality

sources

exceeding

http://www.i-study.co.uk/Students/IB%20Population%20SoW.html https://en.wikipedia.org/wiki/Demographic_transition

E. Čoupková, English for Geographers

Mr Condom in Thailand - recommended to watch

https://www.ted.com/talks/mechai viravaidya how mr condom made thailand a better place/transcript?languag e=en#t-600010