

NAME(s): \_\_\_\_\_

## Gapminder Graph Questions

For questions #1-6, set the Y-axis of your graph to “Life Expectancy” and the X-axis to “Time”. Select the following countries by putting a check in their box on the right hand side of the screen: **Rwanda, China, Botswana, United States and Japan**

Press “play” on the graph and watch the progression of the line graph. Use the information on the graph to answer the questions.

1. Which country had the highest “life expectancy” in 1960? \_\_\_\_\_ Is that country still the highest by 2004? \_\_\_\_\_ Which is? \_\_\_\_\_
2. Which of these five countries had the greatest increase in life expectancy of any ten year period? What country and what years? \_\_\_\_\_
3. How are the lines of Rwanda and Botswana different from the other three countries on the graph?  
\_\_\_\_\_  
\_\_\_\_\_
4. What year did Rwanda hit its highest life expectancy? \_\_\_\_\_  
What year did Rwanda hit its lowest life expectancy? \_\_\_\_\_  
Use Google or some other search engine to find out why RWANDA had such a large decrease in life expectancy in the 1990’s. Briefly explain below...  
\_\_\_\_\_  
\_\_\_\_\_
5. How many years difference is there between Rwanda’s lowest life expectancy and the highest life expectancy of Japan. \_\_\_\_\_
6. If you were born in the year 2000, would you rather be born in Rwanda or Botswana based on this graph? WHY? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Deselect the five countries from the first six questions. Leave “time” as the x-axis but switch the y-axis to “Internet Users Per 100 People” (you have to go under “technology and infrastructure then under “communication”)

7. What country has the overall highest number of people out of 100 using the internet? How many?  
\_\_\_\_\_
8. How many more internet users out of 1000 did the **U.S. have vs. Botswana** in 1990? (you’ll have to put a check in the countries’ boxes and press play again) \_\_\_\_\_

Select the **U.S., Japan, China, Pakistan and Cambodia** and press play...

9. How is the line of the U.S. different from the other three countries?  
\_\_\_\_\_

10. How is the development of internet usage in Pakistan and Cambodia similar and different?

Similar: \_\_\_\_\_

Different: \_\_\_\_\_

11. What is the first year that China actually had one whole person out of 100 using the internet?

\_\_\_\_\_

12. What is the difference between the number of people in the U.S. in 1990 vs. the number in China? How does that difference change by 2004? (be specific)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Switch the Y-axis to “number of physicians per 1000 people”...switch the x-axis to “child mortality per 1000 born” Select any 5 to 10 countries you want.

13. Why does the path of some lines on the graph appear to go “backwards”? (explain what is happening)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Try to identify a country that doesn't follow this “backwards” pattern for the whole time.

\_\_\_\_\_

Set the Y axis to Oil Consumption (total not per person)...It can be found in the energy category

Set the X axis to time

Check the boxes for the **United States, Japan and China** and play the graph.

15. At round what year did China start to use more oil than Japan? \_\_\_\_\_

16. In 2007, how many more barrels of oil did the U.S. use each year than China? \_\_\_\_\_

17. Change the y axis to total population...In looking at this graph of total population, compared to the oil consumption graph you just had on the screen, what trend stands out to you? \_\_\_\_\_

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