

Go to the World of 7 Billion website, and using the charts and graphs on the site, answer the questions on this worksheet.

***Worksheet is attached**

A Quick Trip to 7 Billion: Where do we grow from here?

Go to <https://www.worldof7billion.org/teacher-resources/wall-chart/> First, read through the text and interpret the charts and graphs. Based on the information on the poster, answer the following questions.

1. Look at the diagram of the Demographic Transition Model. Countries in Stage 1 have little to no population growth. Why is this true? Looking at Stage 2, we see high birth rates and falling death rates, leading to population growth. What might cause a country's death rate to decrease?
2. Look at Stage 3 of the Demographic Transition model. What is happening to birth rates? What might explain this?
3. Look at the graphs for paper and meat consumption. How might these graphs be related to the increase in ocean dead zones, and to the depletion of Caribbean coral reefs and tropical rainforest?
4. In 2005, about what percent of the current population was under moderate water shortage? What percent was under extreme water shortage? Why might an increasing population lead to a higher percentage of our global population facing chronic water shortage?
5. Look at the graph titled, "Energy Use Uneven Across the Globe." What trends do you notice? How much more energy does the average North American consume versus an average Bangladeshi?

6. Look at the graph titled, “Women’s Education and Fertility.” What can you tell about the relationship between women’s education level and fertility rates? What might be the reason for this?

7. Look at the graph for “Improving Child Health in Low Income Countries.” In recent years, we have seen the most gains in child health through an increase in vaccinations, while advancements in basic sanitation and access to clean water have only been modest. Do you think that there is a reason for this?