

**Outcome 10.1:** Explain the relationship between population, carrying capacity, science, and technology

Read pp. 60-67 in your text and complete the items below.

1. **Comparison:** Look at the cartogram map on pp. 60-61.

<p><b>What does a cartogram map like this one show?</b></p>	
<p><b>Compare this map to the world map inside the back cover of the textbook. What are the most significant differences you see?</b></p>	

2. **Perspective:** How might your life change if the population of your community were to increase dramatically? Include a variety of examples.

3. **Organize:** Using the text and your notes, complete the table below. For each stage provide details that show how new technology has affected carrying capacity.

<p><b>Define “carrying capacity”</b></p>	
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<b>Stage 1: Hunting and Gathering</b>	
<b>Stage 2: The Agricultural Revolution</b>	
<b>Stage 3: The Industrial Revolution</b>	
<b>Stage 4: The Green Revolution / Genetic Modification</b>	

4. **Values:** Which is the best course of action for human development: attempting to reduce population growth or developing new technology to increase the earth’s carrying capacity? Provide reasons to justify your choice.