



Article Guide: The Curious Case of the Cape Town Water Crisis

<http://scienceovereverything.com/2018/03/22/cape-town-water-crisis/>

Part 1: Introduction

Directions:

- Read the first section of the section of the article
 - Box vocabulary words or words that you have not seen before
 - Underline in the text where the focus questions are addressed
- Answer each focus question

Focus questions

1. Where is Cape Town located and what is its population?

2. How much water are Cape Town’s residents allowed to use each day? How does that compare with the average American?

3. What two pressures could cause similar water crises in other cities in the 21st century?

Part 2: Water Pressure

Directions:

- Read each understanding question
 - Think about what you would need to know to answer that question
- Read the section of the article titled “Water Pressure”.
 - Box vocabulary words or words that you have not seen before
- Answer each understanding question

Understanding questions

1. Increasing global temperatures are changing climate patterns across the world. Other than water shortages, what are two other potential risks to cities and regions from a changing climate?

2. The human population could reach nearly 10 billion by the end of the century. How will that affect demand for water? What other natural resources will be stressed because of so many humans?

Part 3: Solutions

Directions:

- Read the section of the article titled “Solutions”
 - Box vocabulary words or words that you have not seen before
 - Discuss with a partner how you would address the extension questions.
 - Write a response to the extension questions
3. 97% of the water on Earth is found in the oceans, which is undrinkable due to the salt content. The vast majority of fresh water is found in glaciers and ice caps at the poles. This leaves a small amount of Earth’s total water to be used by all humans, animals, and plants. Come up with a solution to improve water efficiency in a home or across a region. What would be the advantages of your idea? What would be potential challenges?
