

## UNIT

## 7

## PERFORMANCE ASSESSMENT IN EARTH SCIENCE

# Resources and the Environment

## Activity One

### *Human Impact on Earth Resources*

**T**he human population continues to grow. In 2000, 6 billion people inhabited Earth. Some scientists are worried about the impact of population growth on the environment. Can human beings use Earth resources without hurting the environment? Can we protect natural resources while using what we need to sustain ourselves?

*Before we can answer these questions, we must first determine how people feel toward the environment. Do people think they are responsible for Earth?*

### MATERIALS

paper  
pencil  
calculator

### INVESTIGATION

1. Devise a questionnaire to determine people's attitudes toward the environment. Write at least ten statements pertaining to Earth and its resources. Provide options for respondents to agree or disagree. There are three statements on the next page to help you get started.
2. Ask at least 20 people to complete your questionnaire. Keep careful records of each person's answers.
3. Formulate the results. Did most people agree with statements that favored protecting the environment?

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4. What did you discover? Graph the results of your research, and write a paragraph that summarizes your findings.

Survey Topic: Human Impact on Earth Resources				
<b>1.</b> The growth of the human population causes problems in the environment.				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>2.</b> People have a responsibility to protect Earth resources.				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>3.</b> People should be able to use their own land any way they see fit.				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>4.</b>				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>5.</b>				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>6.</b>				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>7.</b>				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>8.</b>				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>9.</b>				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree
<b>10.</b>				
Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree