

Name \_\_\_\_\_

Date \_\_\_\_\_

## A New World View—Questionnaire

Global Systems Science is a new field of study in which many different disciplines are used to understand our planet. Show what you know about this field by answering the following questions. Use another sheet of paper if you need more room.

1. Imagine an astronaut looking at the Earth from space, recalling the many different environments visited in the past—from cold mountains, to moist rain forests, and hot deserts. Name at least three ways in which the astronaut can now see (or think about) how these different environments are related.
  
2. Think about your classroom as a system. Draw a diagram showing the parts of the system and how they are related to each other. Use arrows to show how information flows through the system.
  
3. Write a sentence or two showing how each of the following statements relate to your classroom:
  - a. Systems contain subsystems and are parts of larger systems.
  - b. Negative feedback tends to keep systems stable.
  - c. Positive feedback can cause large changes in systems.
  - d. Everything is connected to everything else.
  
4. Name at least three ways in which humans are changing Earth's natural systems.
  
5. Explain how the changes that you named above will make life different for your grandchildren than it was for you.
  
6. In your personal opinion, will the sharing of Earth's resources cause problems in the years ahead? Please explain your answer.
  
7. Describe one of your own activities that uses up some of Earth's limited resources; and how you could change that activity to use fewer (or no) resources.