

A Geographer S World: Scientific Investigation Worksheet

Name: _____ Date: _____ Class: _____

PART 1: SCIENTIFIC PHENOMENON OBSERVATION

Consider the CUL TURE of Miami, Florida: •many people from Cuba and other Spanish- speaking countries •many tourists •modern downtown and historic neighborhoods Consider the LANDSCAPE and CLIMATE of Miami, Florida: •beaches and palm trees •lots of sun •mild temperatures 2. Direct Teach Introduce the Big Idea: The study of geography helps us view the world in new ways. Ask students to think of specific words that describe the climate in Florida.

I notice:

I wonder:

EARTH'S SYSTEMS IDENTIFICATION

Label each description with the correct Earth system: Lithosphere, Hydrosphere, Atmosphere, or Biosphere.

1. _____ Major mountain ranges in A Geographer_s World
2. _____ Rivers and lakes in A Geographer_s World
3. _____ Climate patterns affecting A Geographer_s World
4. _____ Plant and animal life in A Geographer_s World
5. _____ Natural resources found in A Geographer_s World
6. _____ Ocean currents affecting A Geographer_s World
7. _____ Weather patterns in A Geographer_s World
8. _____ Ecosystems unique to A Geographer_s World

PART 3: DATA COLLECTION & ANALYSIS

Collect data about the geographic features of A Geographer S World using the table below.

Feature	Observations	Significance
Climate		
Landforms		
Water Features		
Vegetation		

Analysis Questions:

1. What patterns do you notice in the data? _____

2. How do these features interact with each other? _____

3. What might explain these geographic patterns? _____

PART 4: MODEL DEVELOPMENT

Create a model showing how the geographic features of A Geographer S World interact. Label each feature and draw arrows showing the interactions.

Draw your model in this space

Model Key:

Arrow direction shows: _____

Dotted lines represent: _____

PART 5: SCIENTIFIC EXPLANATION

Using your model and what you've learned about A Geographer S World, explain how the geographic features of this region influence human settlement and activities.

PART 6: REFLECTION

Complete the following sentences:

My model shows _____ about A Geographer S World because:

One way humans have adapted to the geography of A Geographer S World is:

