The Physical World: Scientific Investigation Worksheet

Name: _____ Date: _____ Class: _____

PART 1: SCIENTIFIC PHENOMENON OBSERVATION

Lesson 4 Big Idea The sun, location, wind, water, and mountains affect weather and climate. Main Ideas •While weather is short term, climate is a region's average weather over a long period.

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 The Physical World

2. _____ Rivers and lakes in The Physical World

3. _____ Climate patterns affecting The Physical World

4. _____ Plant and animal life in The Physical World

5. _____ Natural resources found in The Physical World

6. _____ Ocean currents affecting The Physical World

7. _____ Weather patterns in The Physical World

8. _____ Ecosystems unique to The Physical World

PART 3: DATA COLLECTION & ANALYSIS

Collect data about the geographic features of The Physical 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 The Physical 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 The Physical 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 The Physical World because:

One way humans have adapted to the geography of The Physical World is: