

Indian Early Civilizations, Empires, And World Religions: Scientific Investigation Worksheet

Name: _____ Date: _____ Class: _____

PART 1: SCIENTIFIC PHENOMENON OBSERVATION

Include examples such as climate, rainfall, natural physical barriers, features such as rivers, and location. Then, discuss ways that these factors might appear on maps. climate map, physical map, population map Ask students to create two fictional maps of the same area.

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 Indian Early Civilizations, Empires, and World Religions
2. _____ Rivers and lakes in Indian Early Civilizations, Empires, and World Religions
3. _____ Climate patterns affecting Indian Early Civilizations, Empires, and World Religions
4. _____ Plant and animal life in Indian Early Civilizations, Empires, and World Religions
5. _____ Natural resources found in Indian Early Civilizations, Empires, and World Religions
6. _____ Ocean currents affecting Indian Early Civilizations, Empires, and World Religions
7. _____ Weather patterns in Indian Early Civilizations, Empires, and World Religions
8. _____ Ecosystems unique to Indian Early Civilizations, Empires, and World Religions

PART 3: DATA COLLECTION & ANALYSIS

Collect data about the geographic features of Indian Early Civilizations, Empires, And World Religions 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 Indian Early Civilizations, Empires, And World Religions 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 Indian Early Civilizations, Empires, And World Religions, explain how the geographic features of this region influence human settlement and activities.

PART 6: REFLECTION

Complete the following sentences:

My model shows _____ about Indian Early Civilizations, Empires, And World Religions because:

One way humans have adapted to the geography of Indian Early Civilizations, Empires, And World Religions is:

