

Early Civilizations Of The Fertile Crescent And The Nile Valley: Scientific Investigation Worksheet

Name: _____ Date: _____ Class: _____

PART 1: SCIENTIFIC PHENOMENON OBSERVATION

Geography How did the Babylonians grow the hanging gardens in a desert climate? They used a rotating spiral screw to pump water from the Euphrates River.

I notice:

I wonder:

HUMAN GEOGRAPHY SYSTEMS

Label each description with the correct human geography system: Urban, Cultural, Economic, Political, or Infrastructure.

- _____ Major cities in Early Civilizations of the Fertile Crescent and the Nile Valley
- _____ Languages spoken in Early Civilizations of the Fertile Crescent and the Nile Valley
- _____ Economic activities in Early Civilizations of the Fertile Crescent and the Nile Valley
- _____ Political boundaries in Early Civilizations of the Fertile Crescent and the Nile Valley
- _____ Transportation networks in Early Civilizations of the Fertile Crescent and the Nile Valley
- _____ Religious practices in Early Civilizations of the Fertile Crescent and the Nile Valley
- _____ Agricultural patterns in Early Civilizations of the Fertile Crescent and the Nile Valley
- _____ Historical settlements in Early Civilizations of the Fertile Crescent and the Nile Valley

PART 3: DATA COLLECTION & ANALYSIS

Collect data about the geographic features of Early Civilizations Of The Fertile Crescent And The Nile Valley 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 Early Civilizations Of The Fertile Crescent And The Nile Valley 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 Early Civilizations Of The Fertile Crescent And The Nile Valley, explain how the geographic features of this region influence human settlement and activities.

PART 6: REFLECTION

Complete the following sentences:

My model shows _____ about Early Civilizations Of The Fertile Crescent And The Nile Valley because:

One way humans have adapted to the geography of Early Civilizations Of The Fertile Crescent And The Nile Valley is:

