



Geographic Information Systems (GIS)

Unit II Study Guide – Principles of GIS

Name:

Section:

Score: ____/5

Directions: Answer the following questions to help prepare you for the upcoming test on the materials from Unit I on the ideas of Basic Cartography

Basic GIS and Vocabulary

1. Review the Basic **GIS Vocabulary assignment** and be able to use and define all of the terms
2. What is a **Basemap** and why is it important which basemap you actually choose for your map?
3. What are **layers** in GIS and what is the purpose of using multiple layers?
4. How can GIS help us identify geographic **patterns** and **relationships**?
5. How does GIS help us **Collect** data?
6. How does GIS help us **Display** data?
7. How does GIS help us **Analyze** data?
8. How does GIS help us **Share** data?

Data

1. What is the difference between **coordinate data** and **attribute data**?
2. Explain **Nominal Attribute data**.
3. Explain **Ordinal Attribute data**.

4. Explain **Interval Attribute data**.
5. What is the difference between **Vector** and **Raster data**? What are the uses for each?

Layers

1. How is **vector** data displayed as a layer? How is **raster** data displayed as a layer?
2. What are **Geospatial relationships**?
3. Explain the three different formats for GIS files
 - **Shapefile**
 - **CSV**
 - **GPS Exchange**
4. What is **symbolology** and why is it important to make making?
5. What are **pop-ups** and how are they helpful?