Name: _____

Decision Flow Chart for GIS III Independent Research Project *(v1a, Apr 2011)*

Note: **Feel free to use MS Excel / Access tables in completing this exercise if they help you.**

1. First, identify your project goal, which is to build a simple geodatabase and use it to model something (e.g., build and use a network, model change through time, etc). Briefly and concisely state your goal(s):

2. Second, identify the information that you need. List **ALL** the information (data types) you think will be necessary. Use the lines below (add more if necessary) to describe exactly the formats (data symbology) in which your spatial information exists: vector data (point, line, polygon); raster data (e.g., air photo); non-spatial data (e.g., tables to be joined):

Data type (e.g., feature class name)	**Data symbology** (point, line, polygon, raster)
a._____	_____
b._____	_____
c._____	_____
etc._____	_____

3. For each information (data) type, identify the attribute columns needed to characterize your information. **BE SPECIFIC!** Assign a column name of ≤ 10 characters for each column, or AV will not function properly. In the example below, the ***trees*** shapefile consists of 3 point features. Column names are **ID**, **tree_type**, and **diam_inch**, and each column is populated with attribute values that characterize each tree:

ID	tree_type	diam_inch
01	pine	22
02	birch	14
03	spruce	16

Use the space below to start building your own attributes tables, or use Excel / Access if it's easier for you:

Feature Class No. 1 Name _____

Attributes:

ID						

Feature Class No. 2 Name _____

Attributes:

ID						

Feature Class No. 3 Name _____

Attributes:

ID						