**Introduction**

GIS (Geographic Information Systems) helps us understand spatial relationships through different data formats. In this activity, you will use the USGS National Map Viewer to explore and identify vector (point, line, polygon) and raster data layers. The goal of this activity is to help students understand how different GIS data formats are used in the real world.

**Materials**

**Per student**

* Pencil

**Per pair of students**

* Computer with internet access

**Procedure**

**Part 1: Setting up the map view**

**Part 2: Adding Vector Data Layers**

**Part 3: Working with Raster Layers**

**Conclusion**