Geospatial Technologies

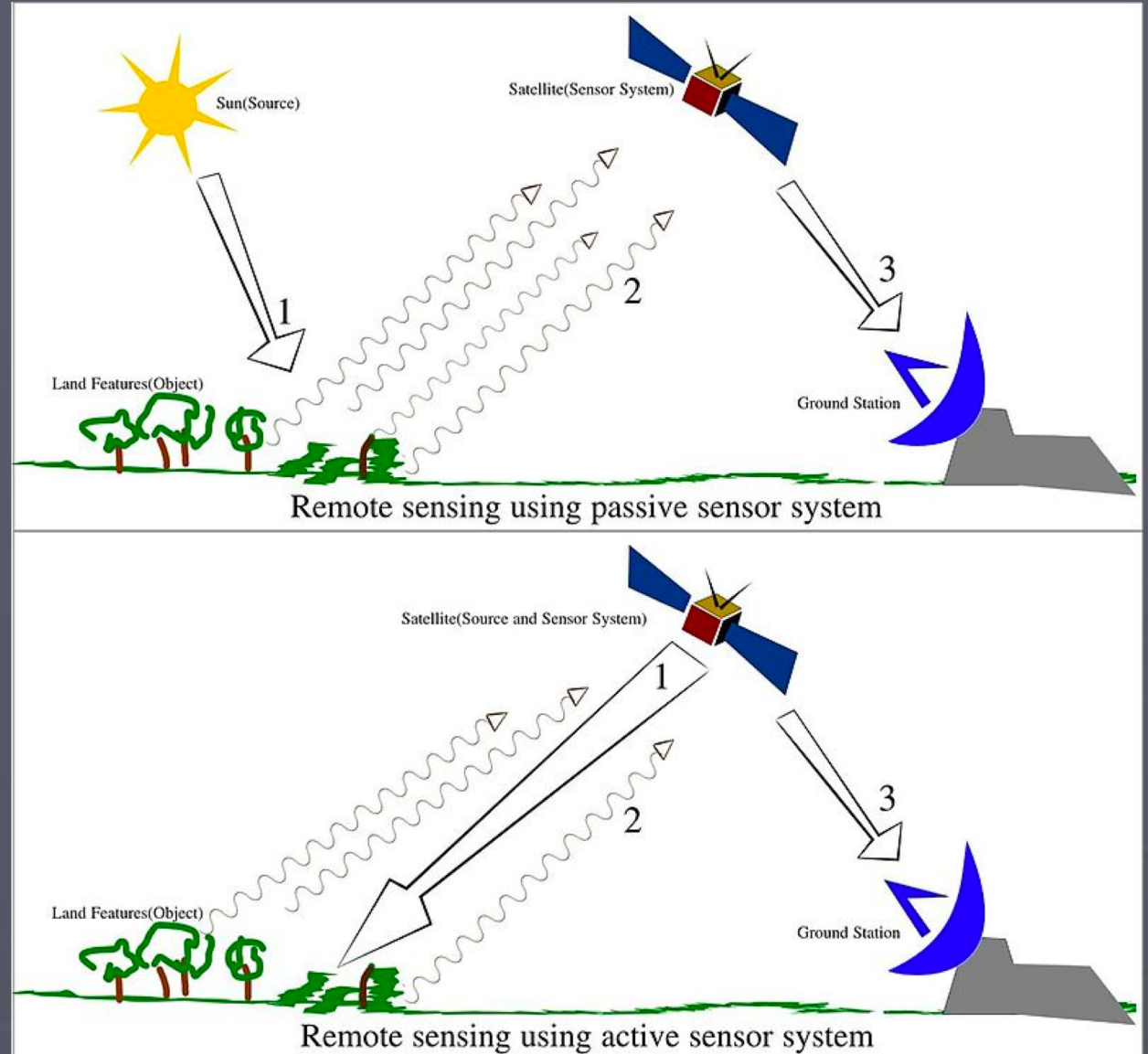Preparation for the AP Human Geography Examination

Geographic Information Systems (GIS)

- GIS uses computer programs to collect, store, analyze, and share geographic data

- Geospatial Technologies allow users to view relationships and identify patterns more easily with different layers

- GIS Example

Remote Sensing

- Using images taken remotely to collect and analyze spatial information

- Images primarily taken by Airplanes, Satellites, and Drones

Remote sensing using passive sensor system

Remote sensing using active sensor system

Global Positioning Systems (GPS)

- Network of interlinked satellites (24) working with ground reference stations to communicate location

- Used for precising location services and navigation