

FOR 100 Worksheet: Chapter 12 - Remote Sensing & Geographic Information Systems (GIS)

1. **T F** Aerial photography remains one of the most important types of remote sensing in forestry.
2. **T F** Knowledge of spectral response patterns is important for selecting the appropriate film for aerial photo missions, in order for the resulting photos to visualize distinctions among features of interest.
3. **T F** Although aerial photos are not exactly maps, accurate topographic maps and forest cover type maps can be made from them.

Multiple Choice: Select the ONE best response.

4. Applications of aerial photography in forestry include
 - A. forestland appraisal
 - B. forest mensuration
 - C. monitoring of forest health
 - D. harvest planning
 - E. all of the above

See over →

You will need to go online to complete the remaining portion of this worksheet (below).

7. Go to www.gis.com.
 - A. Click on the tab "What is GIS" and explore the page that opens, as well as relevant links on that page
 - B. Browse the slide show at <http://www.gis.com/whatisgis/whatisgis.pdf>

A. What is GIS?

B. Describe two ways to input and visualize data in GIS (*i.e.* the two categories of methods for associating a piece of data with its geographic location).

C. From what sources can data be gathered for input into GIS?

D. Why do we say that GIS is "not just a map"?

E. List several purposes for which GIS can be used.

F. How could you apply GIS in your own field of study?