

Name:

Date:

Global Forest Change Problem Set
globalforestchange.org

Section 1: Flip through the “Countries” tab at the bottom of the page and compare forest loss with the map (areas of forest loss are highlighted in color) and figure (forest loss plotted by year) and answer the following questions (hint: pay attention to the scale for forest loss on the y-axis of the figure).

1. Which countries had the most forest loss from 2001-2013?
2. Which countries had the least forest loss from 2001-2013?
3. Which country(ies) had an increased rate of forest loss (on average) from 2001-2013?
4. Which country(ies) had a decreased rate of forest loss (on average) from 2001-2013?

5. Why might particular countries have more forest loss than others? List some predictions of potential causes.

Section 2: Flip through the “ecoregions” tab at the bottom of the page and compare forest loss with the map (areas of forest loss are highlighted in color) and figure (forest loss plotted by year) and answer the following questions.

6. Which ecoregions had the most forest loss from 2001-2013?
7. Which ecoregions had the least forest loss from 2001-2013?
8. Which ecoregions had an increased rate of forest loss (on average) from 2001-2013?
9. Which ecoregions had a decreased rate of forest loss (on average) from 2001-2013?

10. Why might particular ecoregions have more forest loss than others? List some predictions of potential causes.

Section 3: Select two “Hotspots” (from the tab at the bottom of the page) that interest you and answer the following questions.

11. Based off of the pattern of forest loss on the map, what do you think may be the cause of this loss in forest cover? (see key below)

Hotspot 1:	Hotspot 2:

Forest loss key:

1. **Natural vs. human-caused forest loss**

- a. **Natural forest loss** (fire, insect outbreaks, tornadoes, etc.) → the forest loss pattern is typically irregular in shape and a large amount of forest is lost in a relatively short amount of time (1-2yrs)
- b. **Human-caused forest loss** (logging, mining, agriculture, etc.) → the forest loss pattern is typically angular and/or semi-rectangular in shape

12. Search the Internet for the potential causes of forest loss in the hotspots you selected. What did you find? Explain.

Hotspot 1:	Hotspot 2: