

Bozeman AP Environmental Science | Big Idea #4 - Land & Water Use
017 - Forestry & Rangelands

Name: _____ Block/Period: ____ Date: _____

Students: It is recommended that you watch the video with subtitles ON; be prepared to pause and rewind. The video is ~10 minutes long, but this worksheet will take you around ~30 to 35 minutes to complete. There will be a review / discussion afterwards requiring you to record corrections AND summarize additional material / information.

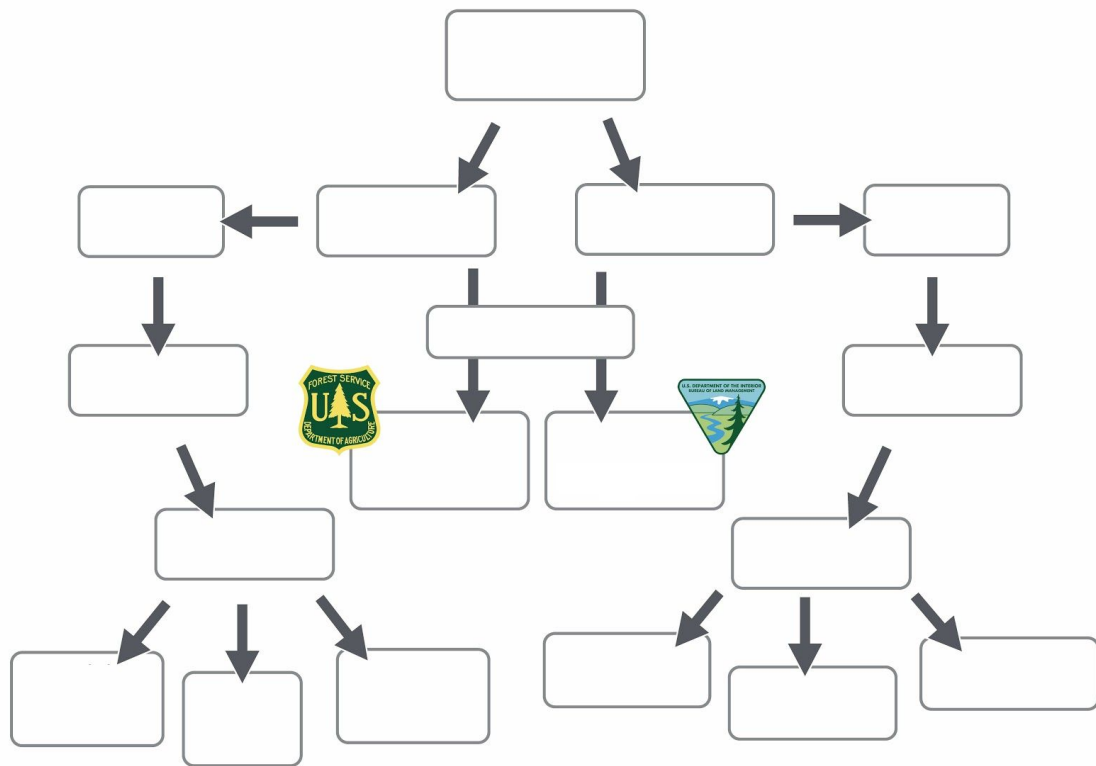
Description (-½ point for each time the rubric is not followed)	Point Value
Each question has been answered	0 ½ 1
Each question has been answered in a full sentence	0 ½ 1
Each answer has avoided 'it' or 'they' statements, by being clear on the topic of the answer	0 ½ 1
<i>Review: Answers that were incorrect are corrected, in a different color</i>	0 ½ 1
<i>Discussion: 2 OR more summary statements of the additional material / information, in a different color</i>	0 ½ 1
Score:	____ / 5

1. **Explain** why clear-cutting is sometimes the most economical way to harvest trees/forests.

2. **Describe** the repercussions of clear-cutting.



3. Listen to Mr. Anderson describe the various parts of the concept map, and pause after he reveals a new word, and filling in that word.



4. List the ecological services that a forest provides.

- i. _____
- ii. _____
- iii. _____
- iv. _____
- v. _____

5. **Analyze** why it is impractical to farm old-growth forests sustainably.

6. **Describe** why fire suppression campaigns (like smokey the bear) lead to larger forest fires.

7. **Define** prescribed burns.

8. **Describe** why tree-plantations are not a great way to increase biodiversity.

9. **Explain** what the US Forest Service (USFS) is good at doing vs what it is poor at doing.

10. Explain the Tragedy of the Commons when applied to Rangelands.

11. Describe the two solutions to the Tragedy of the Commons when applied to Rangelands.

- i.

- ii.

12. Describe the two repercussions to overuse of Rangelands and the outcome if they continue to be overused.

- i.

- ii.

Leading to...

- iii.

13. Define the Taylor Grazing Act of 1934, which eventually folded into the Bureau of Land Management (BLM).

14. Describe the two issues currently faced by the Bureau of Land Management (BLM).

i. _____

ii. _____
