

Bozeman AP Environmental Science | Big Idea #4 - Land & Water Use
019 - Mining

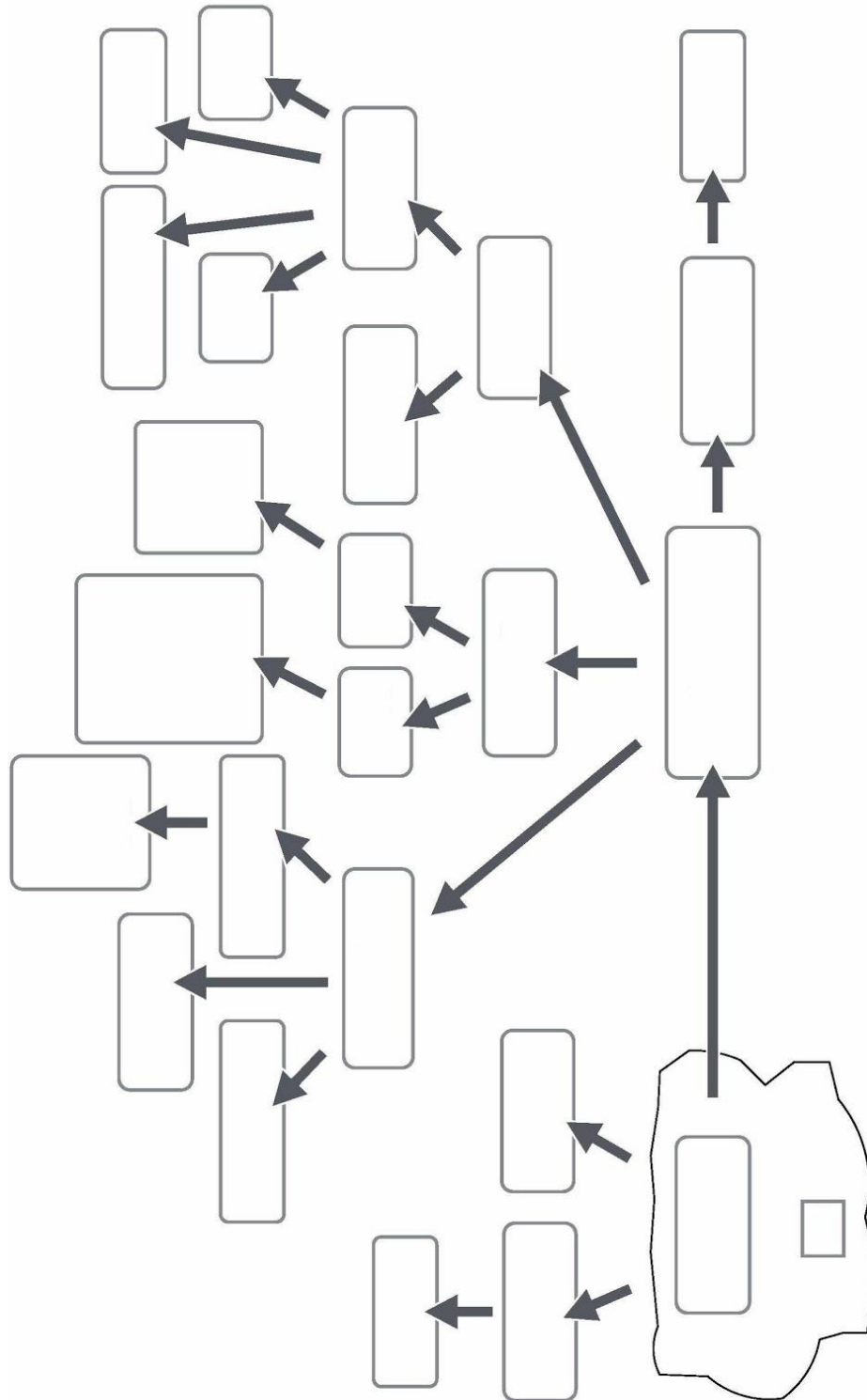
Name: _____ Block/Period: ____ Date: _____

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:</i> Answers that were incorrect are corrected, <i>in a different color</i>	0 ½ 1
<i>Discussion:</i> 2 OR more <i>summary</i> statements of the additional material / information, <i>in a different color</i>	0 ½ 1
Score:	____ / 5

1. Analyze the repercussions of the California Gold rush of 1848.

- 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.



3. **Analyze** why mining can never be truly sustainable.

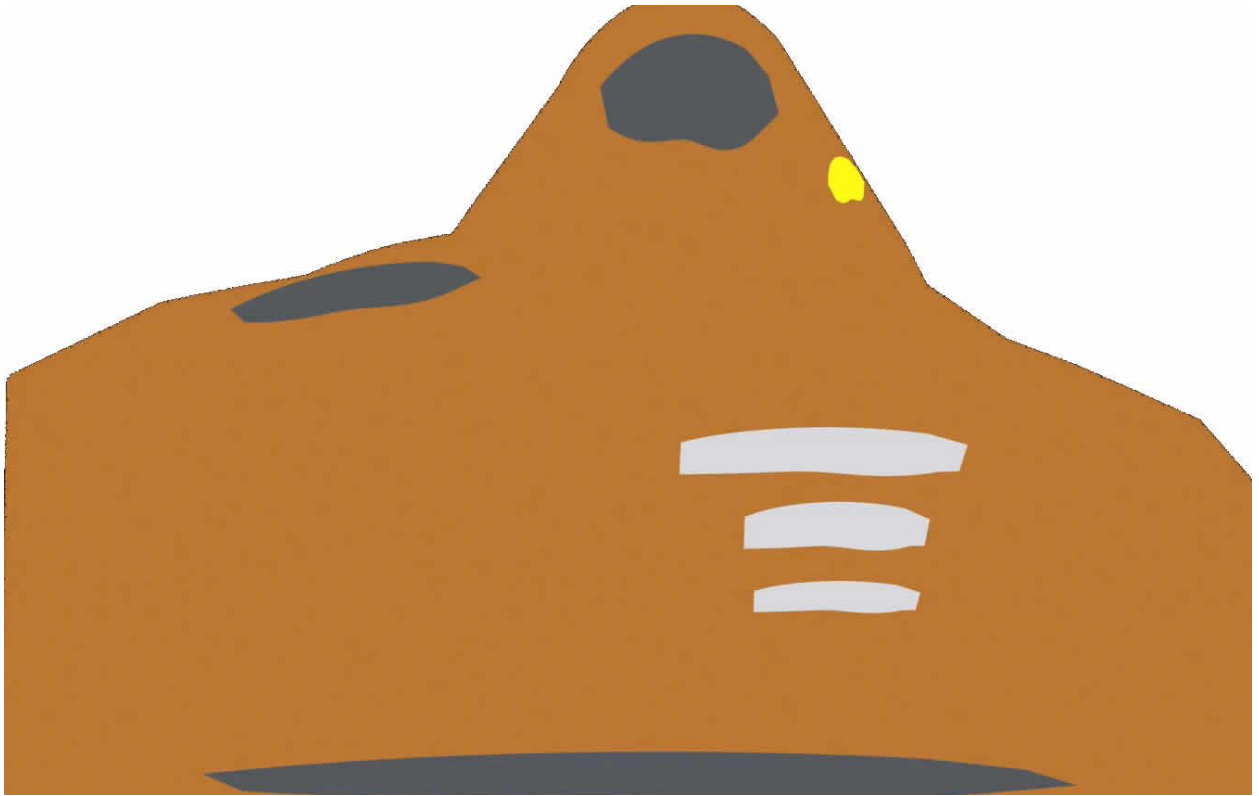
4. **List** the 3 'minerals' that we mine. *Minerals is in quotes because the list does not reflect the Geology definition of minerals.*

- i. _____
- ii. _____
- iii. _____

5. **Explain** why the distribution of minerals is not equitable.

6. **Define** nonrenewable.

7. **Add Labels & Diagrams** to the following image and **describe** the different types of mining.



Mining Type (Name)	Description

8. **Define** Tailings. (not directly stated in the video, you will need to read into the subtext)

9. **Explain** how ore is processed.

10. **Describe** the General Mining Act of 1872.

11. **Analyze** why SMCRA (the Surface Mining Control and Reclamation Act) was a consequence of the General Mining Act of 1872.

12. **Analyze** why abandoned mines post a problem.
