

Bozeman AP Environmental Science | Big Idea #1 - Earth Systems & Resources
003 - Geology

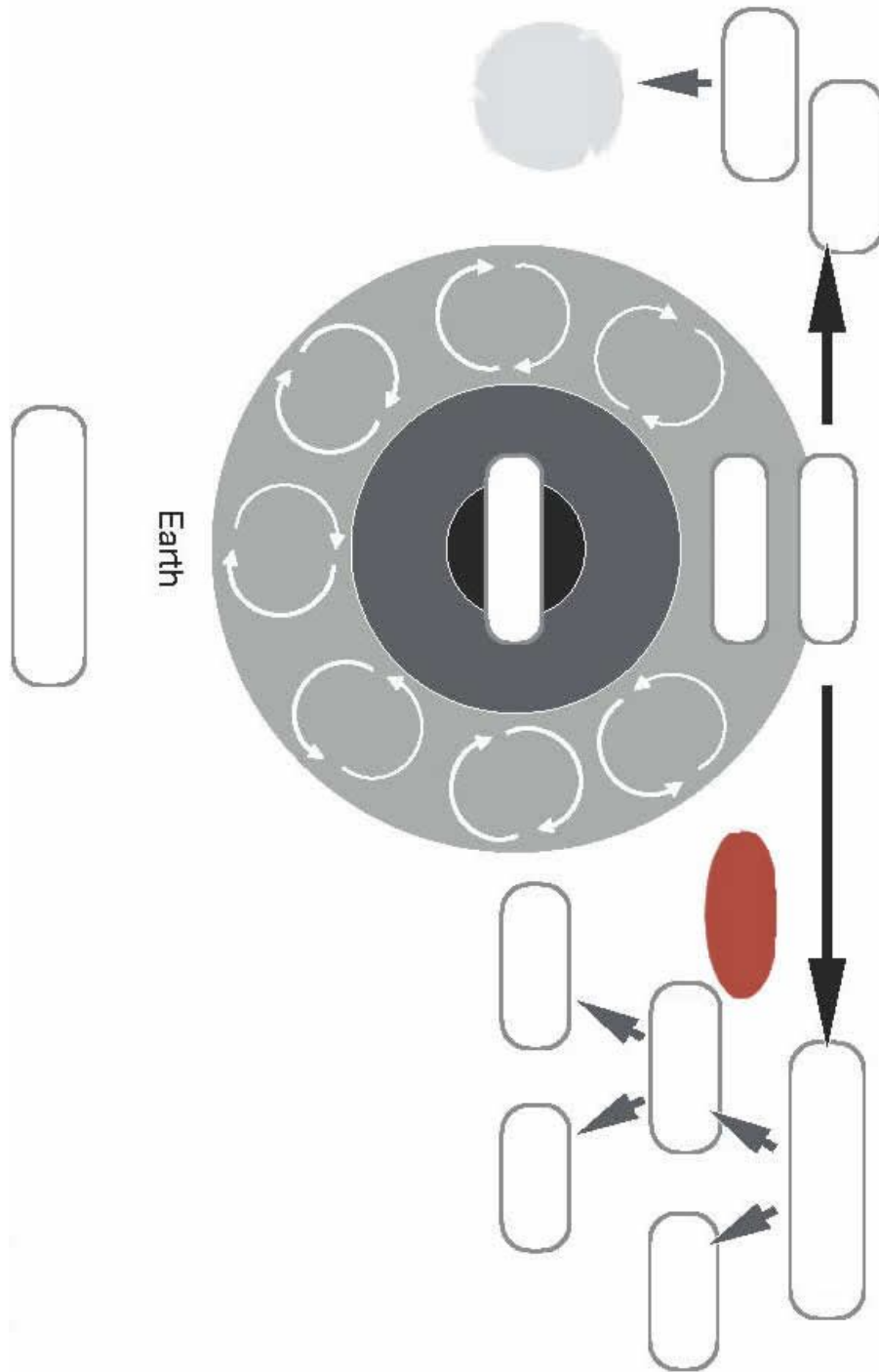
Name: _____ Block/Period: ____ Date: _____

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 we cannot see most types of rocks form.

2. 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. An igneous rock, like _____, is going to be formed when we have _____ of magma.

4. **Describe** what Erosion does to rocks.

5. **Describe** how Sedimentary rocks form.

6. **Describe** how Metamorphic rocks form.

7. **Explain** the process of convection in the Mantle.

8. **Describe** the processes that cause the plates of the crust to move.



9. **Explain** the two ways that we can measure plate movement on the surface of Earth.

10. **Define** the 3 types of plate boundaries.

i. _____ - _____

ii. _____ - _____

- What forms at this boundary?

iii. _____ - _____

- What forms at this boundary?

11. **Explain** how geologic processes formed Hawaii.



12. Explain the two types of volcanoes.

13. Define the 3 types of faults that cause earthquakes.

- i. _____ - _____

- ii. _____ - _____

- iii. _____ - _____

14. Describe why an Earthquake occurs.

15. Describe why an Tsunami occurs.

16. Describe why an Landslide occurs.
