

Bozeman AP Environmental Science | Big Idea #2 - Living World
007 - Ecosystem Ecology

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

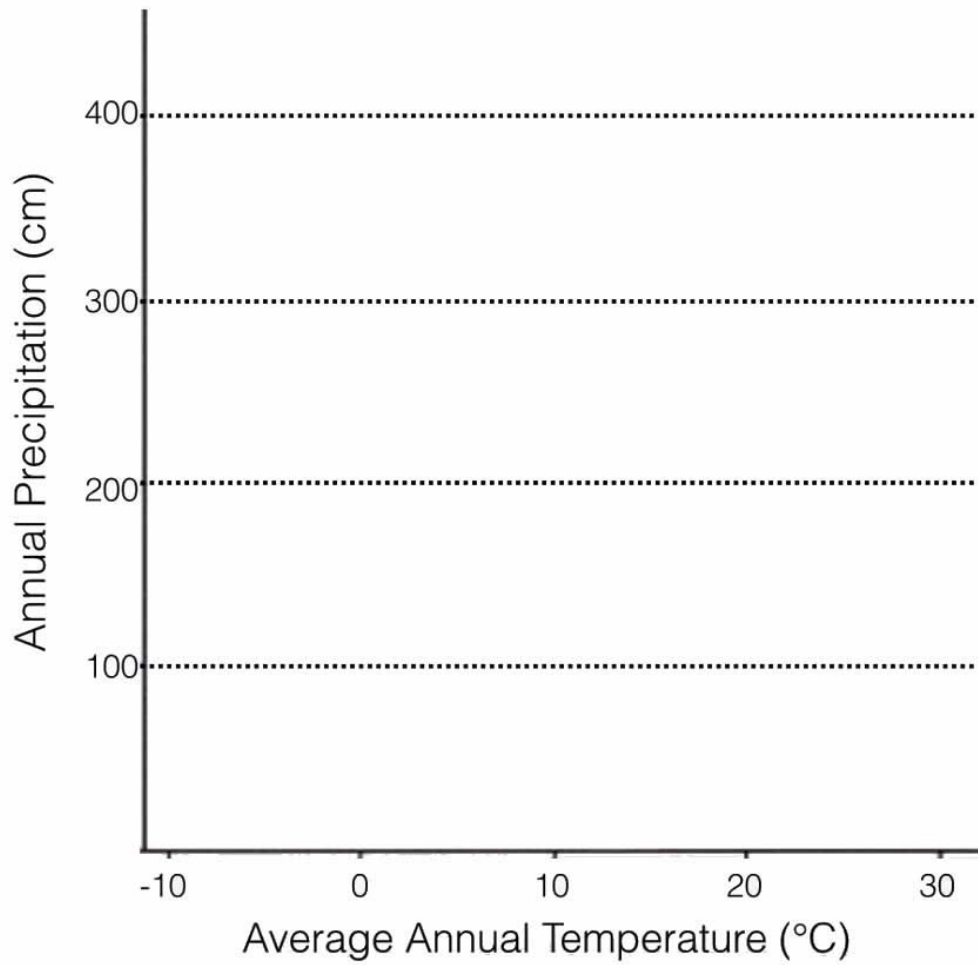
1. Define Ecosystem.

2. Analyze one major repercussion if sea otters were to disappear from the kelp forest food-web.

3. Define Keystone Species.



6. **Draw** (and color if you want to) the Biomes on the following graph.



7. **Identify** the three properties that define Aquatic Biomes.

8. **Draw and Label** either a flowchart or venn diagram of Aquatic Biomes.

9. **Draw and Explain** the easy way to remember which direction food/energy is moving in a food chain.

10. **Define** Herbivore.

11. **Define** Carnivore.

12. **Define** Omnivore.



13. Explain what a niche is for an organism related to temperature.

14. Explain what a niche is for an organism related to resources, and why an organism cannot use ALL the resources in its niche.

15. Analyze why species diversity is good for ecosystems.

16. Analyze why a Niche Generalist is more adaptable than a Niche Specialist.



17. Explain what happens to the boundary of a ecosystem when the protected area is made smaller (edge effect).
