

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Planet Earth – Seasonal Forests

**\*\*Please Turn-In This Assignment\*\***

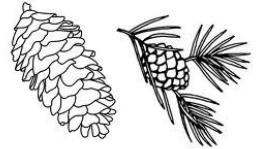
**Directions:** The questions are in order of the film. However, the questions require you to apply this week's topics in union with the film. They are not simply fill-in the blank so pay particular attention to the ecosystems.

### Taiga

1. What type of trees are found in the *taiga* ecosystem?
2. As you watch, describe a two *abiotic* factors found within the taiga that limit its biodiversity.
3. Lynx are solitary animals that sparsely populate the taiga and require prey for their meat diet. Why are the numbers of Lynx so limited?



4. What is the purpose of cones in evergreen trees?
5. Give an example of an adaptation shown by the wolverine to help it survive in the Taiga.



### Temperate Rainforests

6. What two abiotic factors in the temperate forests of the Pacific Northwest (California- Red Woods) that allows the trees to grow so much taller than usual.
  - 1)
  - 2)
7. Why are animals relatively scarce within the temperate rainforest?
8. The pine marten's food source varies by season. In the spring it relies on eggs. What about other seasons?

### Temperate Evergreen Forest

9. How are Monkey Puzzles similar to the coniferous trees of North America and Europe?

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## Temperate Mixed and Deciduous Forest

10. Describe one advantage and disadvantage of the broad, flat leaves of deciduous forests.

**Advantage:**

**Disadvantage:**



11. Periodical cicadas are slow, clumsy, and defenseless against predators. How are they able to survive and reproduce as a species?

12. Explain how the fighting of the male red deer can result in the next generation having overall better genes.

13. Why do ground-level deciduous plants produce brightly-colored, nectar-filled flowers quickly?

## Tropical Deciduous Forest

14. Why would a deciduous tree living in a tropical latitude need to drop its leaves?

15. Explain the mutualistic (beneficial) relationship between langur monkeys and chital deer.

16. What adaptation to Baobab trees have for surviving the dry seasons of Madagascar?

