WLHS / Biology / Oppelt Name_____

READING GUIDE: 4.3 – Succession (p. 106-109)

1. Define **ecological succession**: _____

2. Describe the conditions for primary succession.

3. The first species that inhabits an area is called a _____

4. When does a climax community occur? _____

5. What needs to be present in order for plants to begin to grow in a disturbed area?
_____

6. How is secondary succession different from primary succession?

7. True or False. (Circle one). Secondary succession takes less time to reach the climax community than primary succession.

Match the following words with the correct phrases.

Answer	Phrase	Word
14.	Sequence of community changes where soil is formed, allowing small, weedy plants to inhabit the area	A. a severe drought
15.	Sequence of community changes occurring as a result of a natural disaster such as a forest fire	B. primary succession
16.	A stable, mature community with little or no succession	C. amount of plant growth
17.	An example of a biotic limiting factor affecting a community of organisms	D. secondary succession
18.	An example of an abiotic limiting factor affecting a community of organisms	E. climax community

(Continue on back)

The statements below describe the secondary succession that occurred within an area of Yellowstone National Park. Number the events in which they occurred, 1 occurring first and 5 occurring last.

19.	Grasses, ferns, and pine seedlings inhabited the area
20.	Annual wildflowers grew from the bare soil
21.	A fire burned thousands of acres of land
22.	A climax community of lodgepole pines developed
23.	Bare soil covered the area