

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

## APES- Terrestrial (Land) Biomes Review

### Vocabulary

*Understand and be able to apply each of these terms.*

1. Biome:
2. Climate:
3. Windward/Leeward:
4. Rainshadow Effect:
5. Latitude:
6. Altitude:
7. Primary Succession:
8. Secondary Succession:
9. Tropical: (give examples)
10. Temperate: (give examples)
11. Desert: (give examples)
12. Polar: (give examples)

### Critical Thinking

*Read, analyze, and give complete answers to these questions.*

1. Describe the **rainshadow effect** and explain how it can alter the climate of the **windward** and **leeward** sides of a mountain range.
2. What effect does living near a large ocean or lake have on average air temperatures? *Why?- Explain.*

3. Complete this summary chart of the land-based ecosystems.

|  | <b>Equatorial,<br/>Polar, or<br/>Mid-Latitude?</b> | <b>Precipitation<br/>(High, Low,<br/>Seasonal)</b> | <b>Average<br/>Temperature (High,<br/>Low, Seasonal)</b> | <b>Example Animal and Plant<br/>Adaptations</b> |
|--|--|--|--|---|
| <b>Tropical<br/>Desert</b>               |  |  |  |   |
| <b>Temperate<br/>Desert</b>              |  |  |  |   |
| <b>Polar Desert</b>                      |  |  |  |   |
| <b>Tropical<br/>Grasslands</b>           |  |  |  |   |
| <b>Temperate<br/>Grasslands</b>          |  |  |  |   |
| <b>Polar<br/>Grasslands</b>              |  |  |  |   |
| <b>Chaparral</b>                         |  |  |  |   |
| <b>Tropical<br/>Rainforest</b>           |  |  |  |   |
| <b>Deciduous<br/>Forest</b>              |  |  |  |   |
| <b>Coniferous<br/>Forest<br/>(Taiga)</b> |  |  |  |   |
| <b>Temperate<br/>Rainforest</b>          |  |  |  |   |
| <b>Mountains</b>                         |  |  |  |   |

4. For each category of biomes, give a *major human impact* and *list 2 endangered species*:
- Deserts –
  - Grasslands –
  - Forests –
  - Mountains –

### Climatograph

Use the data provided to construct a climatograph. Remember: Temperature should be displayed as a **line graph** and precipitation as a **bar graph**.

| Month     | Precipitation (cm) | Temperature (C) |
|-----------|--------------------|-----------------|
| January   | 10                 | 35              |
| February  | 3                  | 37              |
| March     | 2                  | 39              |
| April     | 5                  | 40              |
| May       | 13                 | 42              |
| June      | 9                  | 44              |
| July      | 2                  | 45              |
| August    | 2                  | 44              |
| September | 2                  | 42              |
| October   | 8                  | 40              |
| November  | 18                 | 37              |
| December  | 7                  | 35              |

