**the World’S BIOMES**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_**

Go to <http://www.ucmp.berkeley.edu/exhibits/biomes/index.php> and answer the following questions.

1. Define “biome” according to the website.

2. Explain the importance of:

a. Forest biomes -

b. Freshwater and marine biomes -

3. Describe some human impacts on:

a. Forest biomes -

b. Freshwater and marine biomes -

**FOREST BIOMES**

* Occupy \_\_\_\_\_\_\_\_\_\_\_ of land surface.
* Contain \_\_\_\_\_\_\_\_\_\_ of carbon present in living things.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Types** | **Temp. &**  **Rainfall** | **Characteristics** | **Examples /**  **Locations** | **Plants** | **Animals** | **Percent**  **Remaining** |
| **Tropical**  **Forest**  **(Tropical**  **Rainforest)** |  |  |  |  |  |  |
| **Temperate**  **Forest**  **(Temperate Deciduous Forest)** |  |  |  |  |  |  |
| **Boreal Forest**  **(Taiga,**  **Coniferous Forest)** |  |  |  |  |  |  |
|  |  |  |  |  |  | **Environmental Concern** |
| **\*\*\***  **Temperate**  **Rainforest**  **\*\*\*** |  |  |  |  |  |  |

**\*\*\* NOT ON THIS WEBSITE – USE OTHER SITES TO FILL IN THIS INFORMATION**

**Grassland Biomes**

* Characterized as lands dominated by grasses rather than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Types** | **Temp. &**  **Rainfall** | **Characteristics** | **Examples /**  **Locations** | **Plants** | **Animals** | **Environmental Concern** |
| **Tropical**  **Grassland**  **(Savanna)** |  |  |  |  |  |  |
| **Temperate**  **Grassland**  **(Prairie)** |  |  |  |  |  |  |

**Tundra Biome**

**(*Your book refers to this as the 3rd type of grassland*.)**

* Tundra is the \_\_\_\_\_\_\_\_\_\_\_\_ of all biomes.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Types** | **Temp. &**  **Rainfall** | **Characteristics** | **Examples /**  **Locations** | **Plants** | **Animals** | **Environmental Concern** |
| **Arctic**  **Tundra**  **(Polar Grassland)** |  |  |  |  |  |  |
| **Alpine**  **Tundra** |  |  |  |  |  |  |

**Desert Biomes**

* Cover about \_\_\_\_\_\_\_\_ of Earth’s surface.
* Rainfall is less than \_\_\_\_\_\_\_\_\_ cm/year.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Types** | **Temp. &**  **Rainfall** | **Characteristics** | **Examples /**  **Locations** | **Plants** | **Animals** |
| **Tropical**  **Desert**  **(Hot and Dry)** |  |  |  |  |  |
| **Temperate**  **Desert**  **(Semi-arid)** |  |  |  |  |  |
| **Polar**  **Desert**  **(Cold)** |  |  |  |  |  |
|  |  |  |  |  |  |
| **\*\*\***  **Chaparral**  **\*\*\*** |  |  |  |  |  |

**\*\*\* NOT ON THIS WEBSITE – USE OTHER SITES TO FILL IN THIS INFORMATION**

**Freshwater LIFE ZONES**

* Defined as having a low \_\_\_\_\_\_\_\_\_\_\_\_ concentration (less than 1%).

|  |  |  |  |
| --- | --- | --- | --- |
| **Types** | **Characteristics** | **Living Organisms** | **Examples / Locations** |
| **Ponds & Lakes** |  |  |  |
| **Streams & Rivers** |  |  |  |
| **Wetlands** |  |  |  |

**Marine LIFE ZONES**

* Cover about \_\_\_\_\_\_\_\_\_ of Earth’s surface.

|  |  |  |  |
| --- | --- | --- | --- |
| **Types** | **Characteristics** | **Living Organisms** | **Examples / Locations** |
| **Oceans** |  |  |  |
| **Coral reefs \*\*** |  |  |  |
| **Estuaries \*\*** |  |  |  |

**\*\* MUCH more important than the amount of information given indicates. Supplement with information gathered from other sites.**

**Extension:**

**Use other websites of your choice to complete these.**

1. Which two factors have the most impact on how biomes are classified?

2. What are some adaptations plants and/or animals must have in order to be successful in the following biomes/life zones?

Tropical Rainforest –

Temperature Deciduous Forest –

Coniferous Forest (Taiga, Boreal Forest) –

Tropical Grassland (Savanna) –

Temperate Grassland (Prairie) –

Polar Grassland (Tundra) –

Chaparral –

Desert –

Estuaries –

Inland Wetlands –