**Succession Virtual Lab**

Directions:

1. Go to the website: <http://www.mrphome.net/mrp/succession.swf>
2. Click on the first tab (succession) and read the background information

**Primary Succession Directions:**

1. Click on the primary succession tab
2. Set the temperature and rainfall to **low**.
3. Record the types of species that develop in the correct order below:
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Record the time it took for the climax community to develop in the table below.
10. Repeat the simulation with the temperature and rainfall set to **medium**.
11. Record the time it took for the climax community to develop in the table below.
12. Set the temperature and rainfall to **high**.
13. Record the time it took for the climax community to develop in the table below.

|  |  |
| --- | --- |
| Temperature and rainfall | Time in years |
| low |  |
| medium |  |
| high |  |

Analysis:

1. How is primary succession affect by temperature and rainfall?

**Secondary Succession Directions:**

1. Click on the secondary succession tab

2. Click the play button

Analysis:

1. How long does it take for the climax community to be reached? Why is the time span shorter for secondary succession than primary succession?

Quiz: Complete BOTH pages of the quiz section.

List the time span for each species of plants in the **secondary succession** quiz.

|  |  |
| --- | --- |
| Organism | Time |
|  |  |
|  |  |
|  |  |
|  |  |

Analysis Questions:

1) How does primary succession differ from