Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Virtual Cell Lab**

Go to the following website:

[**http://tinyurl.com/4u7qwu**](http://tinyurl.com/4u7qwu)

Follow the procedure listed on the left side of the page for both the animal cell and the plant cell. Then answer the following questions:

1. How are cells similar to a factory or business? List three similarities.
2. How are animal and plant cells similar? How are they different?
3. A solar cell is a device that collects energy from the sun to make electricity. What part of a plant cell is most similar to a solar cell?
4. Why is the nucleus considered to be the “boss” of the cell?
5. Exploring the South American rain forest, a scientist discovers a mysterious organism and brings it back to the lab for further study. What cell characteristics should the scientist examine to tell whether the organism is an animal or plant? Why?

**Virtual Pond Water**

Directions:

Go to the website: Or Scan this QR Code:

**http://tinyurl.com/7l2sm**

This website shows various organisms commonly found in ponds, called protists. Click on 5 of them to learn more about each one. Use the information to complete the following table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Organism | Habitat (where to find them) | Size Range | How does it get food? | One interesting fact |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Question:**

Have you ever been swimming in a lake or pond and accidentally swallowed some water?

What are your thoughts on the possibility of having ingested some of these creatures?