**Unit Three Study Guide**

**Please review and study the following items from your binder**

* **Ribbon of Life**
* **Cell membrane notes**
* **Egg experiment**
* **Cell membrane quiz**
* **Protists notes**
* **Bacteria readings**
* **Bacteria QR codes**
* **1 million dots – Bacteria Growth**
* **Bacteria quiz**

What is the order of the ribbon of life?

What are cell membranes made of? How are they arranged? Do they like water?

What happened to the egg in distilled water (100% water)? Corn syrup?

Unicellular vs. Multicellular

The smallest unit of life is…..

Prokaryotic vs. Eukaryotic

What is diffusion?

What is osmosis?

Where do bacteria like to live?

What shapes to bacteria come in?

What are the two hair-like structures that come off of the bacteria cell?

What is the protective layer around the bacteria cell?

How does bacteria grow and reproduce?

Create a graph based on this data:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Min. | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 |
| # of bacteria | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 | 256 | 512 | 1024 | 2048 |