**Honors Biology I**

**Pichette** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_

**Cell Structure and Function Chart:** Look up the structure and function of each item found in living cells and fill in the chart below. Use your book (Chapter 4) and the notes in class to help you.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cell Structure** | **Function** | **Location** | **Sketch of organelle** | **Plant/Animal/Both?** |
| Nucleus |  |  |  |  |
| Nuclear envelope |  |  |  |  |
| Chromosomes |  |  |  |  |
| Nucleolus |  |  |  |  |
| Ribosomes |  |  |  |  |
| Smooth ER |  |  |  |  |
| Rough ER |  |  |  |  |
| Vesicles |  |  |  |  |
| Golgi Apparatus |  |  |  |  |
| Lysosome |  |  |  |  |
| Vacuoles  Food  Contractile  Central |  |  |  |  |
| Mitochondria    Cristae  Matrix |  |  |  |  |
| Chloroplasts  Thylakoids  Grana  Stroma |  |  |  |  |
| Chromoplasts  Amyloplasts |  |  |  |  |
| Peroxisome  Glyoxysome |  |  |  |  |
| Cytoskeleton  Microtubules  Microfilaments |  |  |  |  |
| Centrosomes  Centrioles |  |  |  |  |
| Cilia |  |  |  |  |
| Flagella |  |  |  |  |
| Basal Body |  |  |  |  |
| 9 + 2 arrangement |  |  |  |  |
| Cell wall |  |  |  |  |
| Cell (plasma) membrane |  |  |  |  |
| Cytosol (cytoplasm) |  |  |  |  |