|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Plant Cell Mitosis  | Animal Cell Mitosis(see iPads/green book) | Diagram of Chromosomes (with genes) | Number of Chromosomes | Single or Double |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |



Label the diagram to the right with the following:

1. Each mitosis phase
2. Chromosomes
3. Cell wall
4. Nuclear membrane

Questions:

1. What type of cells are shown in this picture and how can you tell?
2. Compare the cell marked “c” to the cell next to it (left):

**Questions continued:**

3. Explain how the chromosomes line up during mitosis. This is very important to understanding how the new cells are identical to the original cell:

4. Why is mitosis important? (give two examples of where real mitosis is going on right now!)