|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **I can statement** | **1 = I’m clueless** | **2 = I’m starting to get it.** | **3 = I’m almost there!** | **4 = Go ahead, test me on it.**  |
| ***Why Do Cells Divide?*** |  |  |  |  |
| I can explain why surface area-to-volume ratios are important to dividing cells. |  |  |  |  |
| ***The Cell Cycle*** |  |  |  |  |
| I can identify the phases of the cell cycle from diagrams. |  |  |  |  |
| I can tell what happens in each phase of the cell cycle. |  |  |  |  |
| I can show why one phase of the cell cycle follows another. |  |  |  |  |
| ***Chromosomes*** |  |  |  |  |
| I can identify the parts of a chromosome. |  |  |  |  |
| I can explain the function of chromosomes. |  |  |  |  |
| I can tell the difference between autosomes and sex chromosomes. |  |  |  |  |
| ***Mitosis*** |  |  |  |  |
| I can identify the stages of mitosis from diagrams. |  |  |  |  |
| I can put the stages of mitosis in the proper order. |  |  |  |  |
| I can show why one phase of mitosis follows another. |  |  |  |  |
| I can state what types of cells undergo mitosis, and why those cells undergo mitosis. |  |  |  |  |
| I can list differences between how animal and plant cells divide. |  |  |  |  |
| ***Meiosis*** |  |  |  |  |
| I can identify the stages of meiosis from diagrams. |  |  |  |  |
| I can put the stages of meiosis in order. |  |  |  |  |
| I can show why one phase of meiosis follows another. |  |  |  |  |
| I can explain how meiosis I and meiosis II are the same, yet different. |  |  |  |  |
| I can explain why the number of chromosomes is reduced in meiosis. |  |  |  |  |
| I can state what types of cells undergo meiosis, and why those cells undergo meiosis. |  |  |  |  |
| I can explain how meiosis produces genetic variation in offspring and why genetic variation is necessary. |  |  |  |  |
| ***Summary*** |  |  |  |  |
| I can list similarities and differences between mitosis and meiosis. |  |  |  |  |