**Stages of Mitosis**

*Cut out & put the following notes and diagrams in the correct order in your BILL.*

| Prophase |
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| Anaphase |
| Telophase & Cytokinesis |
| Metaphase |
| Interphase |
| * Spindle breaks down * Nuclear membrane and nucleolus reform in each daughter cell * Chromosomes unwind * Cytoplasm constricts to form two separate daughter cells (Cytokinesis). |
| * Chromosomes coil up and shorten, becoming visible… * … each chromosome consists of two copies called chromatids which are joined at a centromere * Centrioles move to opposite sides of nucleus and spindle fibres start to form * Nuclear membrane breaks down at end of prophase. |
| * Chromosomes line up along the equator of the spindle * Centromeres attach themselves to the spindle. |
| * Chromosomes are threadlike as DNA is unwound so that genes can be transcribed. * Nucleolus is visible * DNA replicates, making two identical copies of itself. |
| * Daughter chromatids are drawn by the centromeres. * Chromatids move along the spindle towards opposite ends of the cell. |