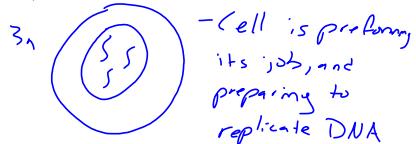


## 2. Grade 9 Science In Class Assignment after Mitosis Quiz (Oct 26).notebook December 12, 2019

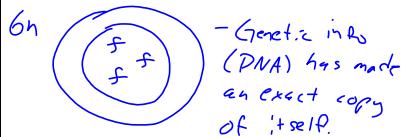
Using diagrams, describe the phases of mitosis for a  $3n$  cell starting in interphase. PMAT

### Interphase



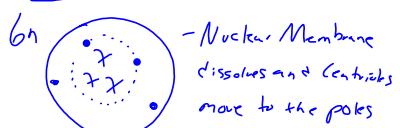
-Cell is performing its job, and preparing to replicate DNA

### Late Interphase



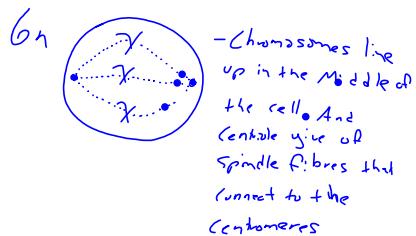
-Genetic info (DNA) has made an exact copy of itself.

### Prophase



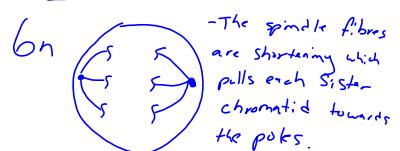
-Nuclear Membrane dissolves and Centrosomes move to the poles

### Metaphase



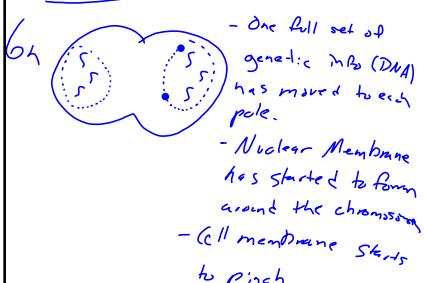
-Chromosomes line up in the Middle of the cell. And Centrosome give off Spindle Fibres that connect to the Centromeres

### Anaphase



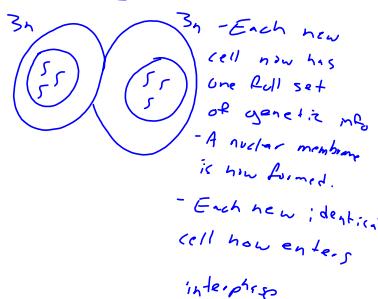
-The spindle fibres are shortening which pulls each Sister chromatid towards the poles.

### Telophase



-One full set of genetic info (DNA) has moved to each pole.  
-Nuclear Membrane has started to form around the chromosome  
-Cell membrane starts to pinch.

### Cytokinesis



-Each new cell now has one full set of genetic info -A nuclear membrane is now formed.  
-Each new identical cell now enters interphase.