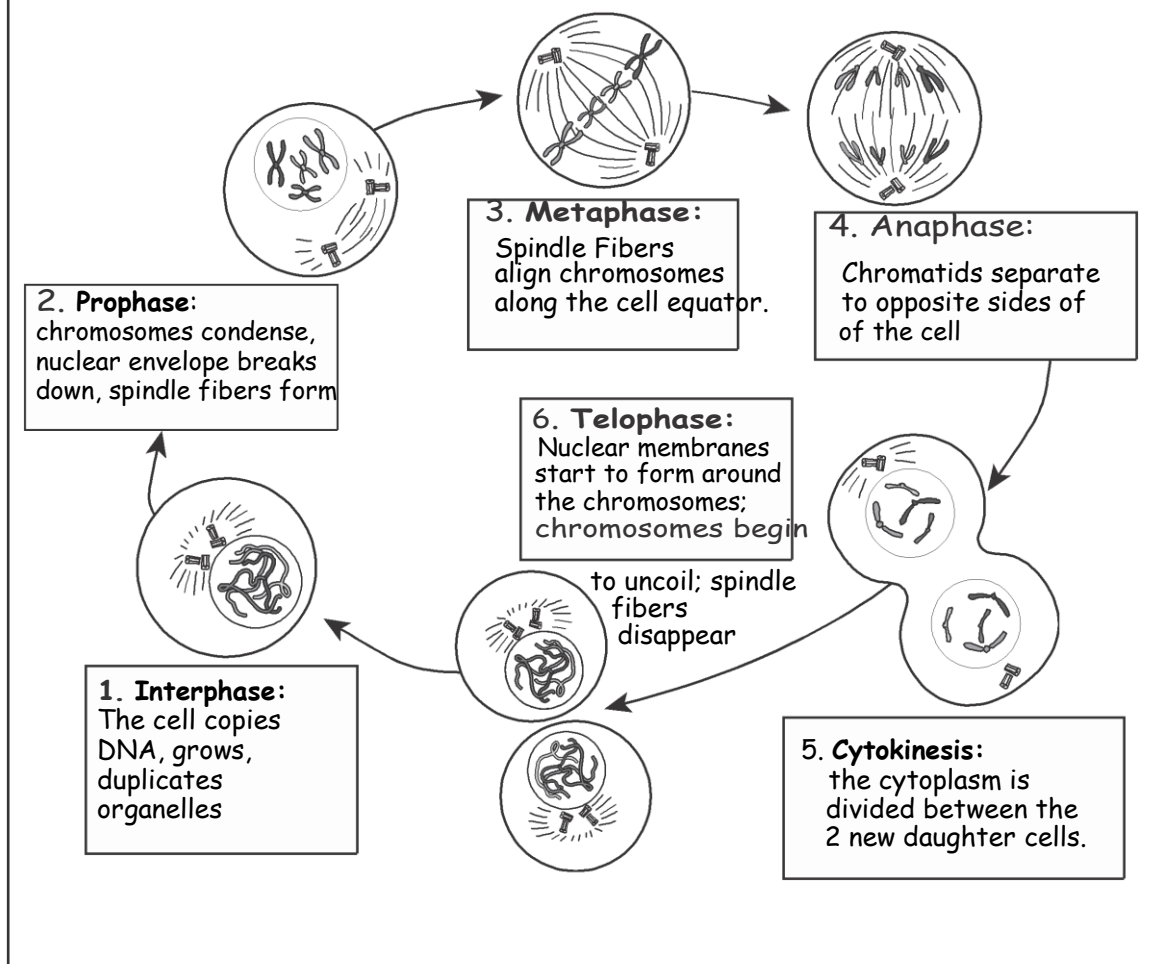


**Chromosome structure:**

- A chromosome is one long continuous thread of DNA. DNA wraps around proteins called histones.
- DNA and histones form chromatin, which looks like spaghetti, during interphase.
- Chromosomes condense tightly for mitosis
- Because they are duplicated, they look like an "X".

**Cell Cycle in Detail**

Identify the steps below and list the major events of each step.



This is not the cell cycle. This is just Mitosis. The cell cycle consist of Gap 1, growth and critical checkpoint, Synthesis, DNA duplicates itself, and Gap II, final growth stage and critical checkpoint, then mitosis.