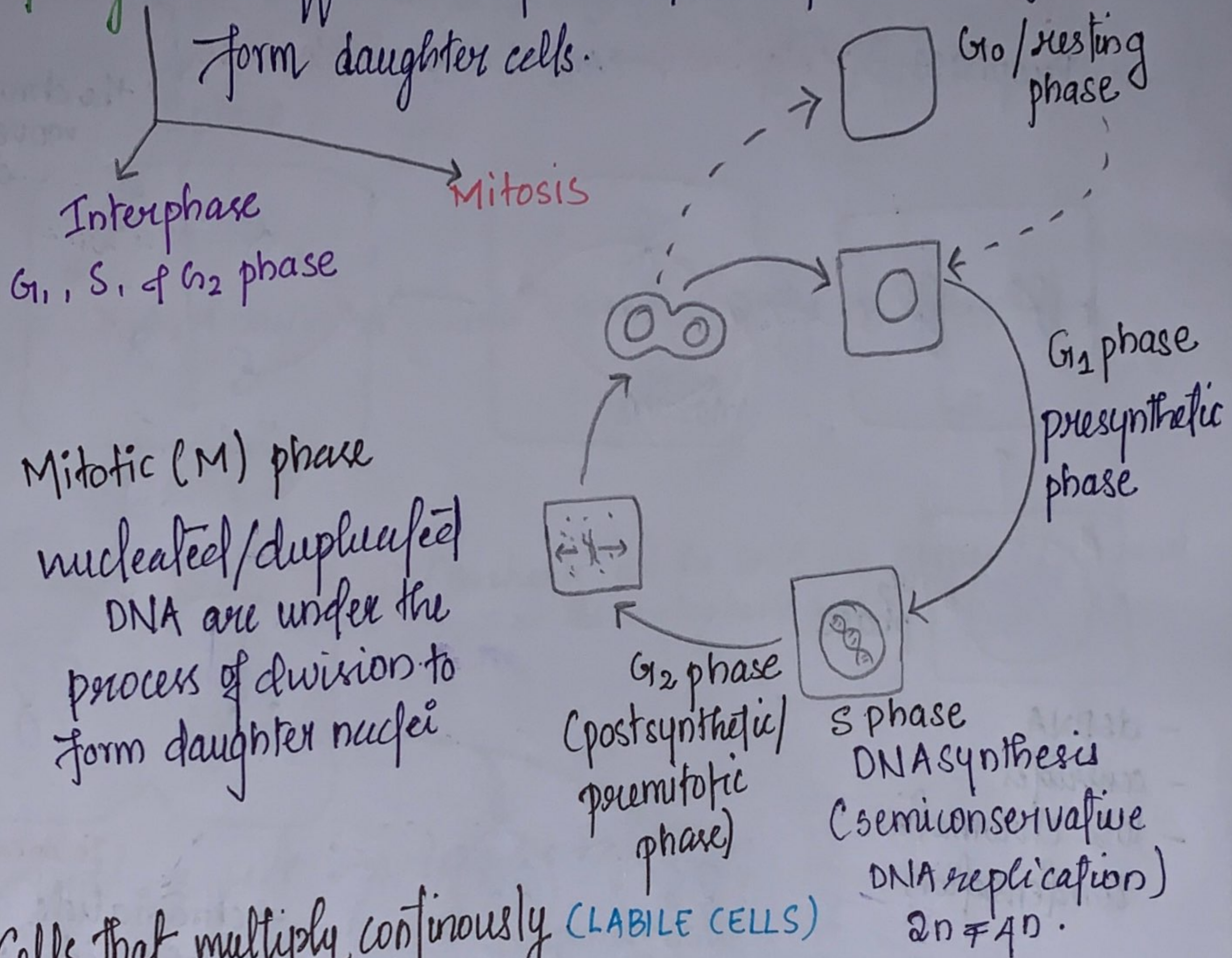


cell cycles and genes

cell cycle - different cell passes of a cell passes through to form daughter cells.



Interphase
G₁, S, & G₂ phase

Mitotic (M) phase
nucleated/duplicated DNA are under the process of division to form daughter nuclei

Cells that multiply continuously (**LABILE CELLS**)
- skin - GIT - Bone marrow (hematopoietic)

Cells that enter G₀ phase (**STABLE CELLS**)
- Hepatocytes - kidney - pancreas

PERMANENT CELLS

- Neuron - skeletal & myocardial cells

Cells plans to enter DNA synthesis & proteins & organelles for

mitosis - **Interphase**

Mitosis - division of nuclear materials and forming 2 sets of identical daughter cells