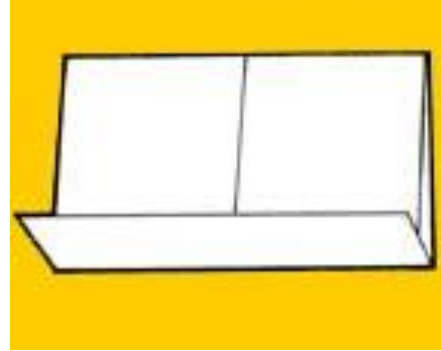


MITOSIS & MEIOSIS FOLDABLE

FOLD DIRECTIONS:

1. Fold a sheet of paper in half horizontally (hamburger) so that one side is one inch longer than the other side.
2. Cut the shorter side in half, up towards the fold (mountain top) to create two flaps.



LABEL FRONT OF FLAPS

1. Label the **LEFT** flap, MITOSIS
2. Label the **RIGHT** flap, MEIOSIS
3. Label the **BOTTOM** flap, CELL DIVISION.

LABEL BACK OF FLAPS

1. On the **LEFT BACK** flap include the following:
 - a. What does mitosis help your body do? (list 2 things)
 - b. What types of cells result from mitosis? (diploid or haploid? identical or unique? 2 or 4?)
 - c. Identify what type of reproduction is done by mitosis.
2. On the **RIGHT BACK** flap include the following:
 - a. What does meiosis help your body do? (list 1 thing)
 - b. What types of cells result from meiosis? (diploid or haploid? identical or unique? 2 or 4?)
 - c. Identify what type of reproduction is helped by meiosis.

CENTER UN-CUT SECTION

1. Under the mitosis flap, draw prophase, metaphase, anaphase, and telophase in order.
 - label the chromosomes before they are split
 - label the sister chromatids after they are split
2. Under the meiosis flap, draw prophase 1, metaphase 1, anaphase 1, and telophase 1
 - label the homologous chromosome pairs
 - label crossing over and independent assortment
3. Under the meiosis flap (after PMAT 1), draw the result of PMAT 2 (skip the indiv PMAT 2 steps)