

# MITOSIS AND MEIOSIS FOLDABLE

Cells in your body go through interphase, followed by cell division. The type of cell division depends upon the type of cell. Most cells will go through mitosis, but some cells divide by meiosis. Use your notes and other needed resources to complete this foldable contrasting mitosis and meiosis.

Instructions: READ AND FOLLOW **ALL** STEPS

1. Hold the piece of paper landscape with two hands, lines facing away from you.
2. Fold the piece of paper in from the right. Make the fold on the straight line. (You should see the nine dotted lines.)
3. Fold the piece of paper in from the left. Make the fold on the straight line. (You should see the one dotted line.) It should now look like a pamphlet.
4. Cut along all dotted lines.
5. Place foldable vertical so the large two flaps open to the left. Label top half flap of cover "Mitosis" and draw a **COLORED** picture to represent mitotic cell division.
6. Label bottom half of cover "Meiosis" and draw a **COLORED** picture to represent meiotic cell division.
7. Label inside flaps: function, chromosome number, number of daughter cells produced, number of divisions, type of cell created. Repeat labels for bottom half.
8. Use your notes and other needed resources to fill out the answers for mitosis and meiosis under the flaps.
9. Choose TWO differences from mitosis and meiosis (one should go on the top flap, one on the bottom flap). On the inside (back) of each cover, complete the following:
  - a. Explain one difference between mitosis and meiosis.
  - b. Why is this difference important?
  - c. Draw a colored picture that helps understand the difference.

