

TEACHER INSTRUCTIONS FOR PREPARING YOUR MEIOSIS FOLDABLE: (Work through each step along with students.)

FOLDING:

1. Each student has 2 sheets of printer paper. Fold each piece of paper HOTDOG BUN STYLE.
2. Keep the paper folded. Fold the paper in half again short side matching short side.
3. Keep it folded, and fold it in half one more time short side matching short side.
4. Unfold the paper until it is back to the original hotdog bun fold.
5. Create 4 rectangular flaps by cutting along the 3 fold lines to the center fold (only on $\frac{1}{2}$ of the paper).
6. Do the same (steps 1-5) for the other piece of paper.
7. The brochure that opens from right to left (fold line on the left) will be for the steps of MEIOSIS I. Turn the other paper over so that it opens from left to right (fold line on the right). This will be for MEIOSIS II. When these two foldables are placed in the Science Notebook they should be glued side by side and both should open from the center of the page.

MEIOSIS BROCHURE ASSIGNMENT INSTRUCTIONS:

(Use pages C120 and C121 as a guide for your work.)

Overview: Describe and illustrate the steps of MEIOSIS I on one brochure and describe and illustrate the steps of MEIOSIS II on the other brochure. Later, when they are glued into your Science Notebook the two brochures should both open from the CENTER of the page. Use textbook pages C120 and C121 as your guide for each step of meiosis. Double-check the grading rubric to make sure you have included everything that will be part of your final score. Everything should be IN COLOR and attractively and neatly placed on the brochure.

1. Write your name, date, and class period on the BACK of each brochure (NOT inside the flaps).

MEIOSIS I BROCHURE (This one opens from the right side.)

2. On the outside of each flap, write the TITLE of the MEIOSIS I PHASE and then draw and label an ILLUSTRATION of that phase. *For example, flap 1 should say "MEIOSIS I – Prophase I," and the drawing should be similar to the Prophase I image on page C121 of your textbook. On flap 4, Telophase I and Cytokinesis are combined as they are on textbook page C121.*
3. Under each flap (not ON the flap), write the title of the phase again, and then write a description of what is happening during that phase. *(Refer to pages C120 and C121 of your textbook for help.)*

MEIOSIS II BROCHURE (This one opens from the left side.)

4. Follow the same steps that you did for Meiosis I, except the information is now for the phases of Meiosis II.

Name: _____ Date: _____ Class Period: _____

MEIOSIS BROCHURE GRADING RUBRIC

1. MEIOSIS I – PROPHASE I	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points
2. MEIOSIS I – METAPHASE I	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points
3. MEIOSIS I – ANAPHASE I	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points
4. MEIOSIS I – TELOPHASE I AND CYTOKINESIS	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points

5. MEIOSIS II – PROPHASE II	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points
6. MEIOSIS II – METAPHASE II	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points
7. MEIOSIS II – ANAPHASE II	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points
8. MEIOSIS II – TELOPHASE II AND CYTOKINESIS	FLAP: Title, Illustration (Colored & Labeled)	INSIDE: Title & Description	/ 6 points

10. Followed Directions: Name, date, and class period. In color. Neat. Overall aesthetics and effort.	/ 7 points
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TOTAL: **/55 points possible**