



Overview	Students will be tested on the different stages of Cell reproduction. In this activity they will create a Cellblock that illustrates the different stages.
Objectives	After this activity the students should be able to: <ul style="list-style-type: none">• Differentiate between the processes of cell reproduction.• There are 3 main steps (Mitosis, Meiosis I, and Meiosis II)• Each of these steps has 5 steps in them (Interphase, Prophase, Metaphase, Anaphase, and Telophase). It is up to the teacher to decide how in-depth they want the students to go when creating their Cellblocks.• A Cellblock should be created with pictures of the different steps within each process.• After the activity they should be able to pick out the different pictures of the process of cell reproduction.
Standards	Indiana Standard B 1.7 <i>Explain that complex interactions among the different kinds of molecules in the cell cause distinct cycles of activities, such as growth and division.</i> Indiana Standard B 1.8 <i>Differentiate between mitosis and meiosis.</i> Indiana Standard B 1.11 <i>Describe that through biogenesis all organisms begin their life cycles as a single cell and that in multi-cellular organisms, successive generations of embryonic cells form by cell division.</i>
Materials	The materials needed for this project are: <ul style="list-style-type: none">• A computer with the internet• A Cellblock user name (which is free)• A science text book to be able to tell the difference between the cell processes

Procedure	<ol style="list-style-type: none">1. Spend a few minutes explaining Cellblock to your class.2. The teacher should instruct the students to log onto Cellblock, and create a cellblock for the different processes of reproduction. (At least 3 block, one for each stage)3. The students should Google search images of the different stages of cell reproduction and then make cellblocks of these images to better their understanding of them.4. After the cellblocks have been created the teacher may choose to let the class look at one another's to further enhance their knowledge.5. When they are done creating these they will be ready to take notice the difference in animal classes.
Evaluation	When the students have finished their cellblocks they will be given a quiz that asks them to identify the different stages of cell reproduction. The students will be given pictures of the different stages and then have to identify what stage they are seeing.

