INTERACTIVE NOTEBOOK

biology bundle

8 Interactive Notebook Bundles:

Cells
Cell Transport
Photosynthesis
Cell Division
DNA
Evolution
Classification
Ecology

PRINT AND DIGITAL

biology roots

biology roots

Features:

100+ activities

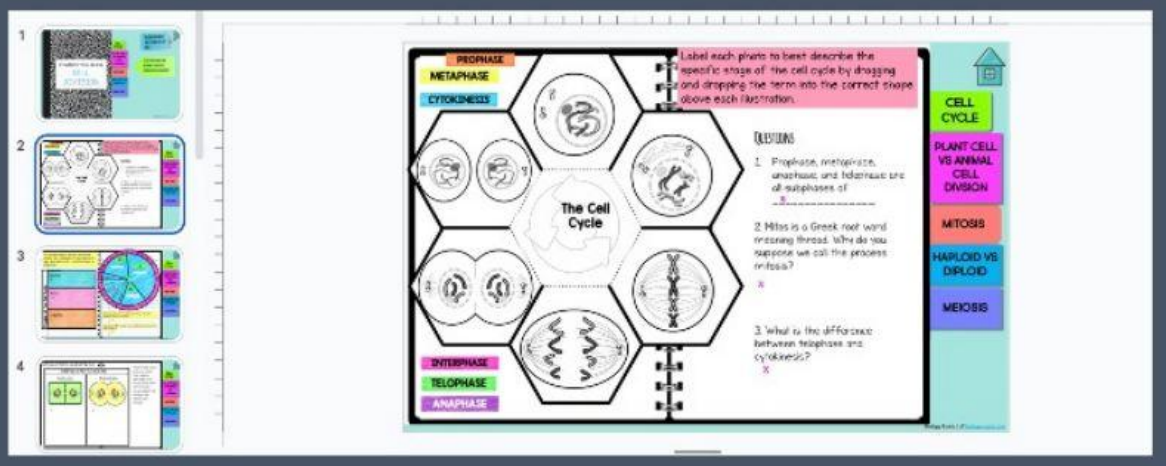
150+ pages

Differentiation

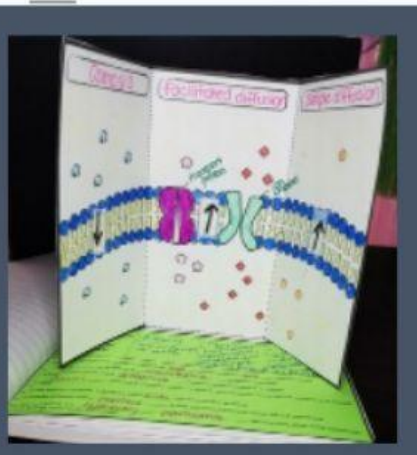
Print and Digital (Google Slides)

Answer keys included

Use with any curriculum!









★★★★ Such a great resource! My students were engaged and it was super easy to use. A staple in my classroom from now on! -Joanna C.

★★★★ Great selection of foldables, easy to use with your curriculum - Kathy O.

INTERACTIVE NOTEBOOK

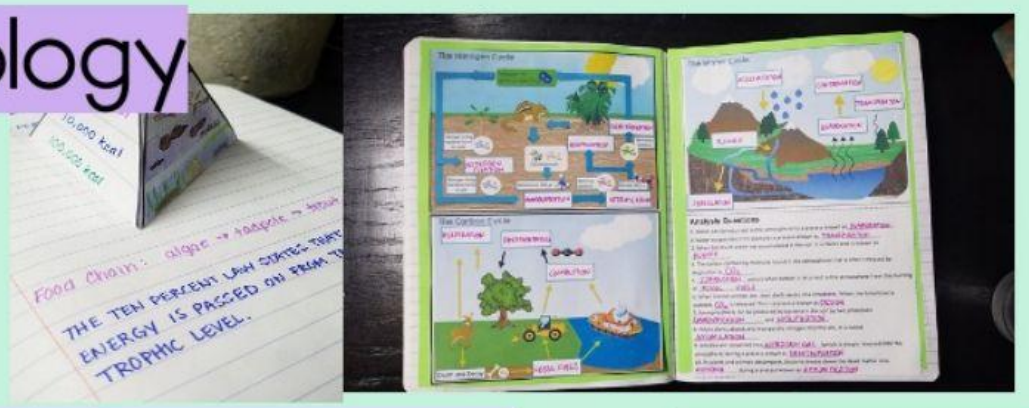
biology bundle

8 Interactive Notebook Bundles:

Cells



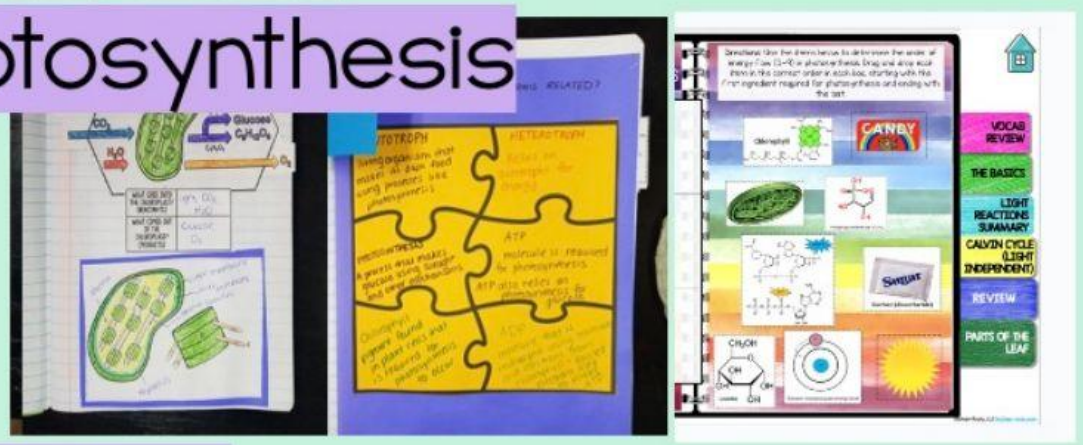
Ecology



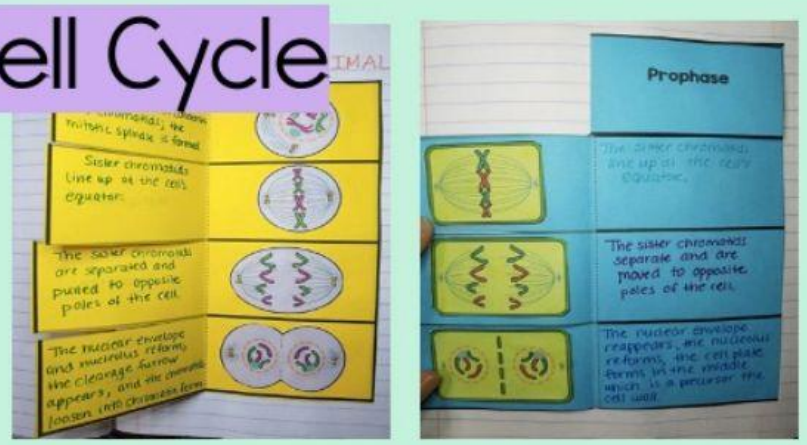
Cell Transport



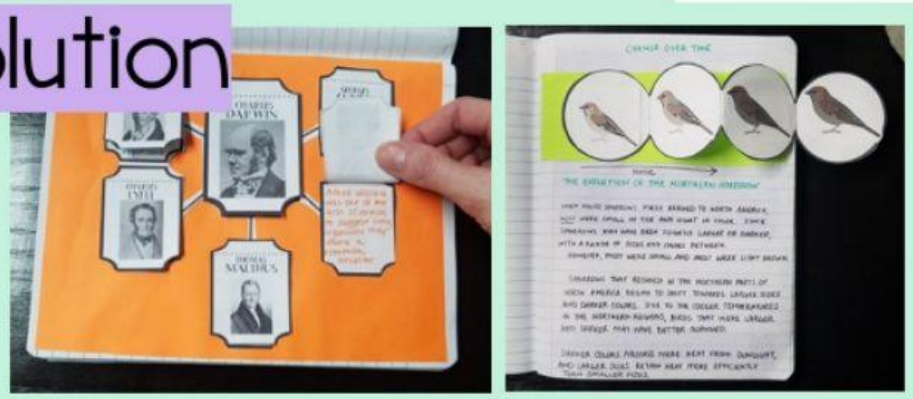
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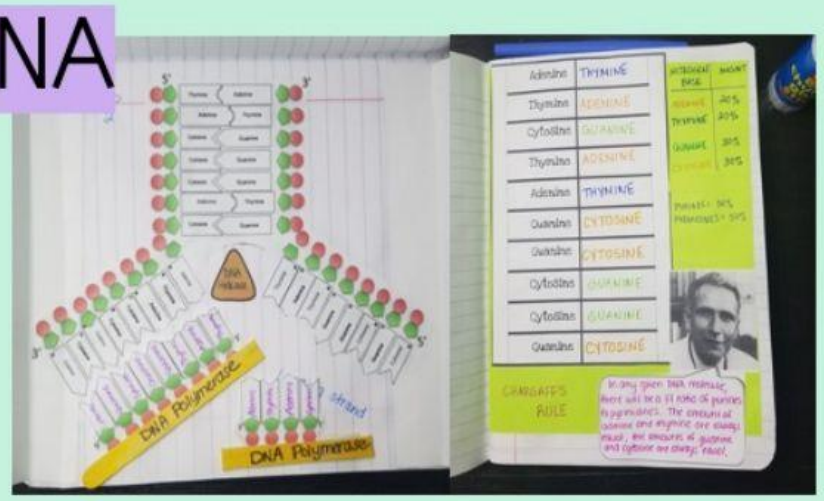
Cell Cycle



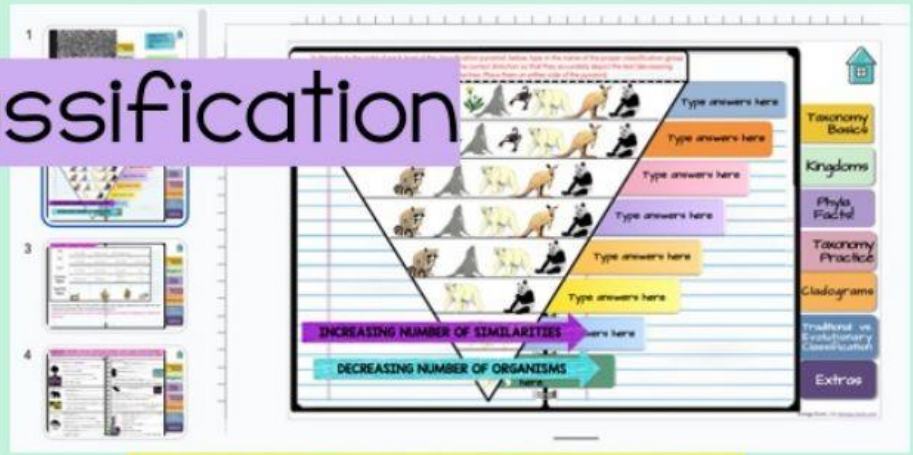
Evolution



DNA



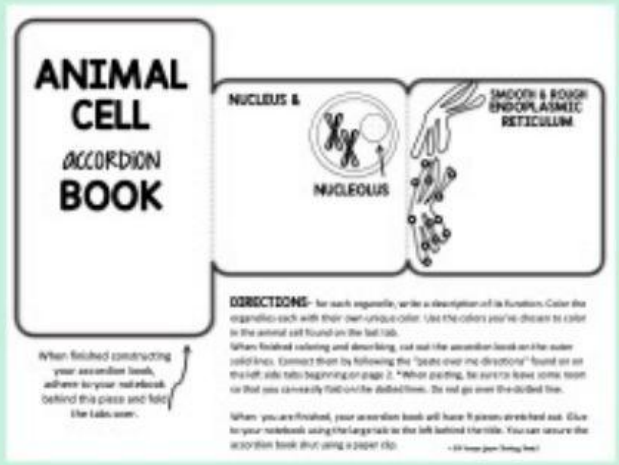
Classification



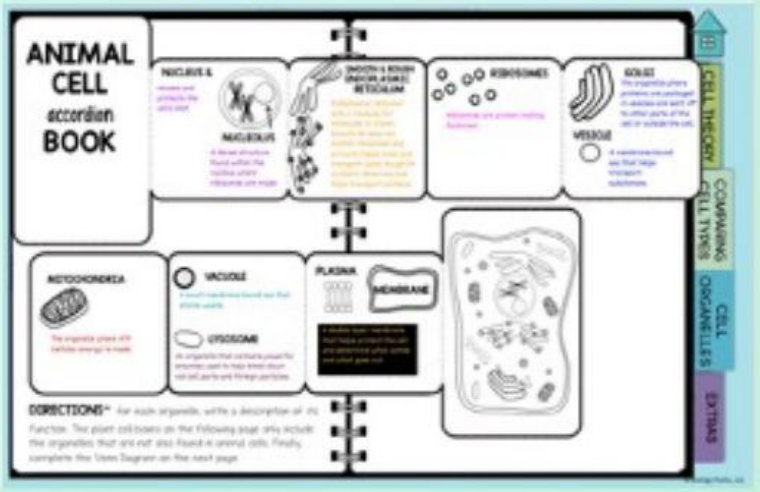
INCLUDES PRINT + DIGITAL

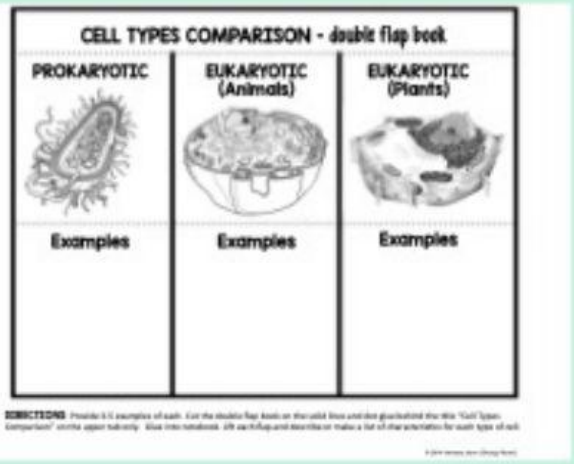
CELLS 15 activities

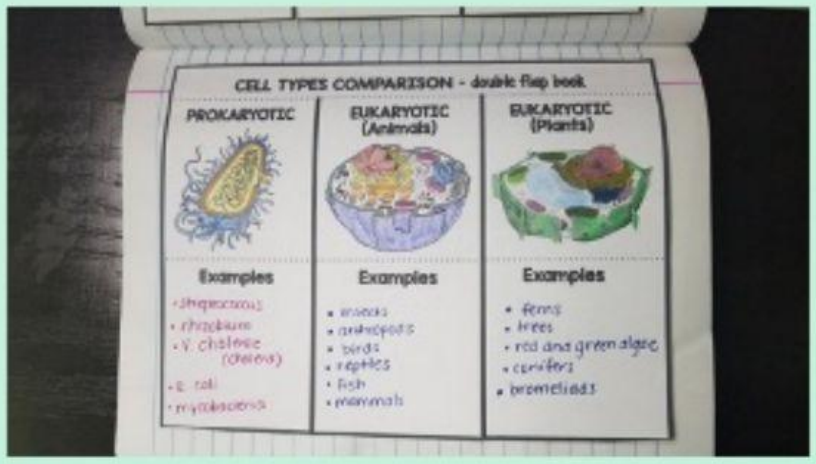
Topics: cell theory, prokaryotic cells, eukaryotic cells (organelles, plants cells, animal cells), cellular structure and function.

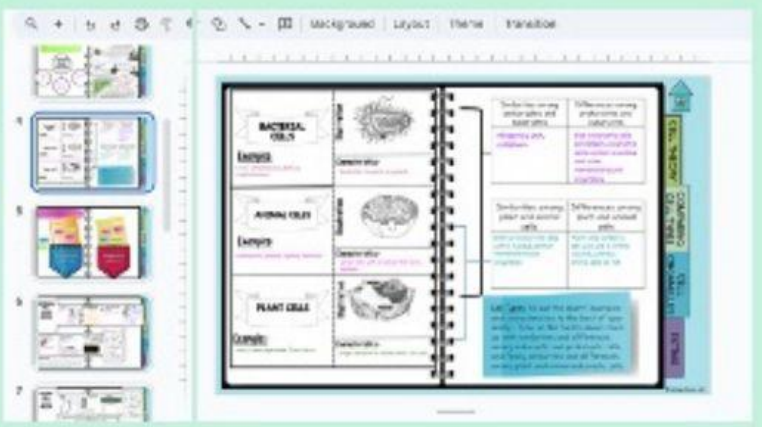


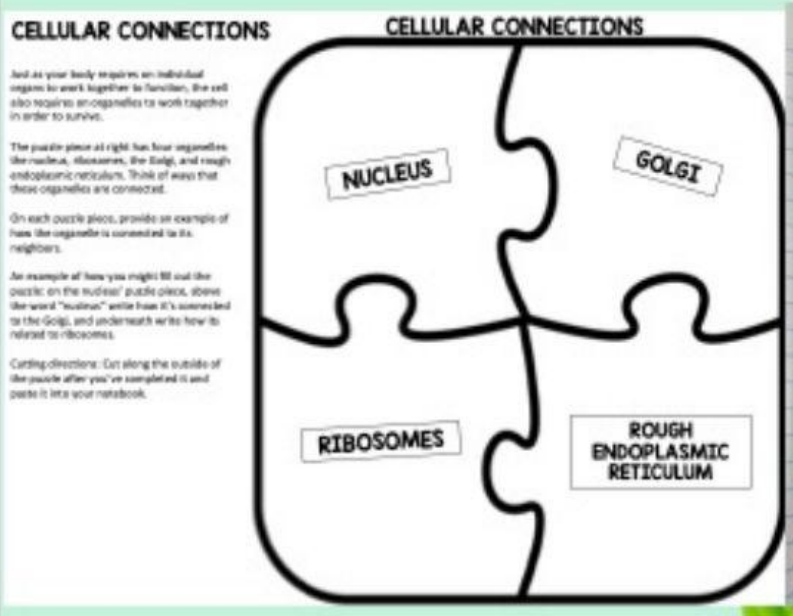


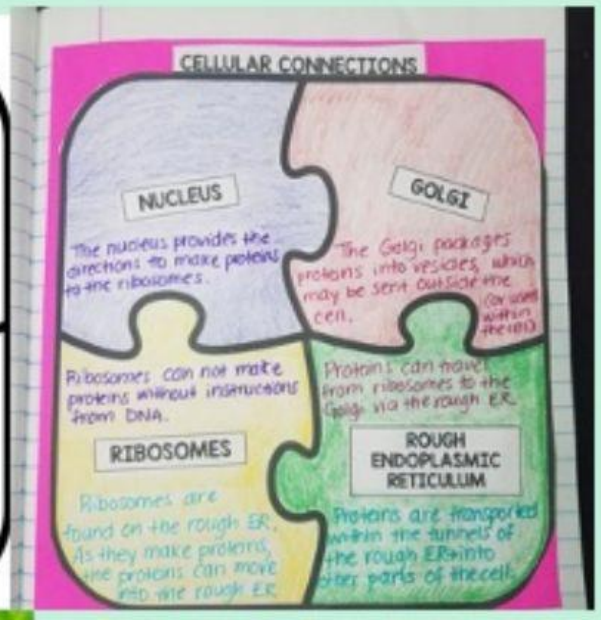


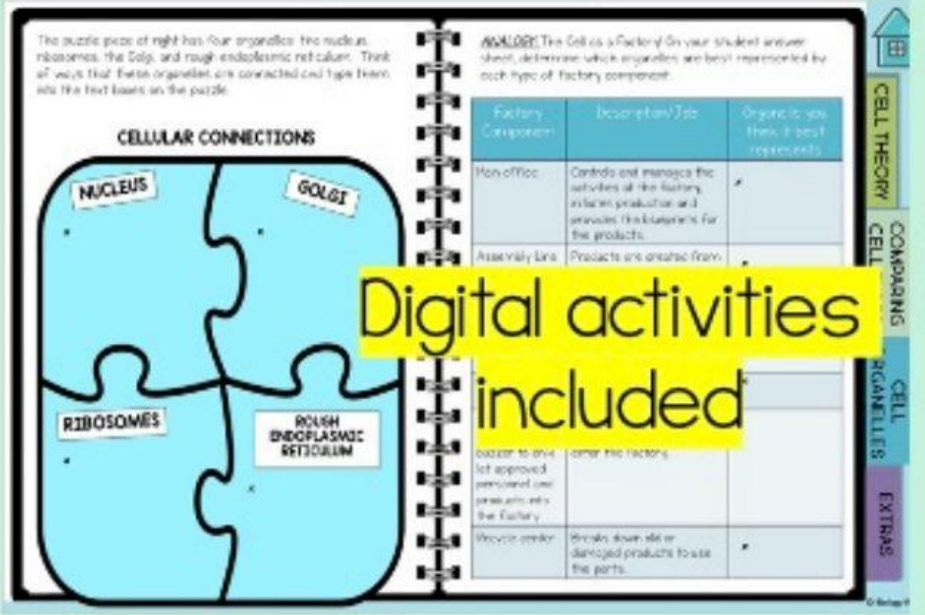








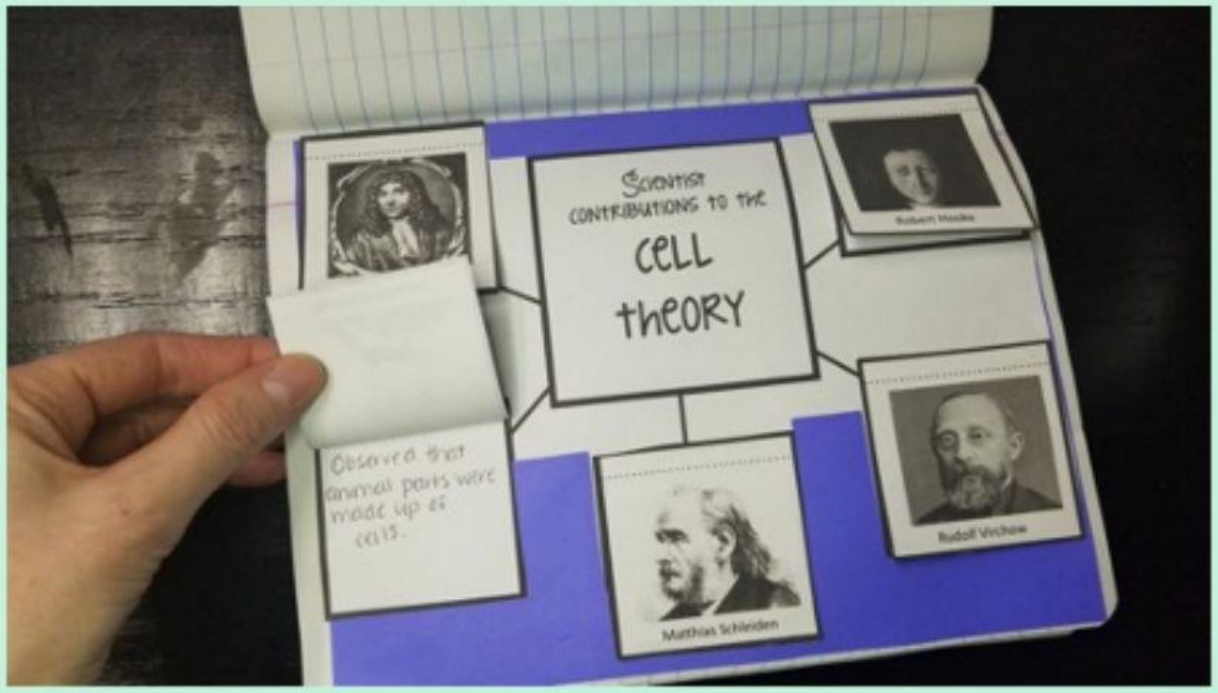




biology roots

CELLS 15 activities

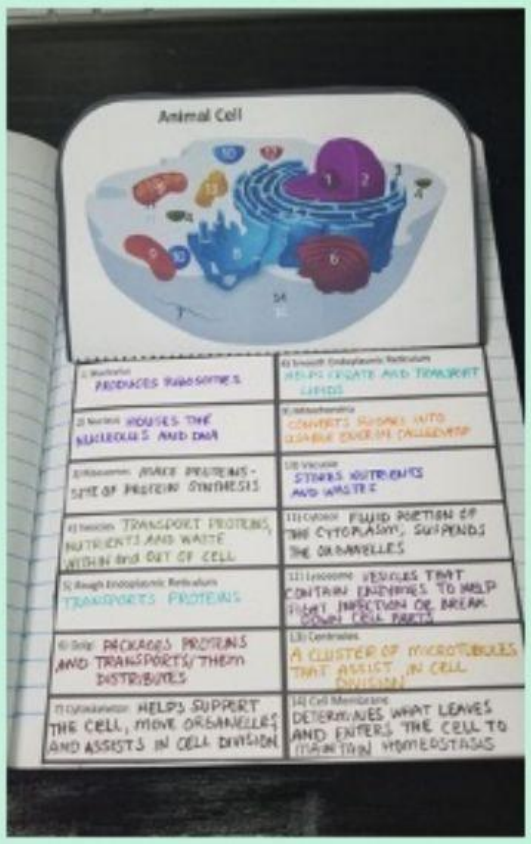
ORDER OF ACTIVITIES	
1	Cell Theory Concept Map and Cell Theory Scientist Map (found in INB folder "Cell Theory- Other")
2	Choose 1 or 2 of the following: Eukaryotic vs Prokaryotic Features Fold, Eukaryotic vs Pro Pick Pockets, or Eukaryotic vs Pro cell booklet
3	Comparing Cell Types Double Flap book (with or without illustrations) OR Comparing Cell Types Snip and Flip (snip and flip is more guided)
4	-Choose one: Animal Cell Accordion Book, Book Fold, or Stage -Choose one: Plant Cell Accordion or Stage -Plant vs. animal cells pick pockets
5	-Cellular Connections Puzzle -Venn Diagram
6	Cell City
7	•The Fluid Mosaic Model may be saved for CELL TRANSPORT. If you do not cover cell transport in detail, you can use it during your cells unit after

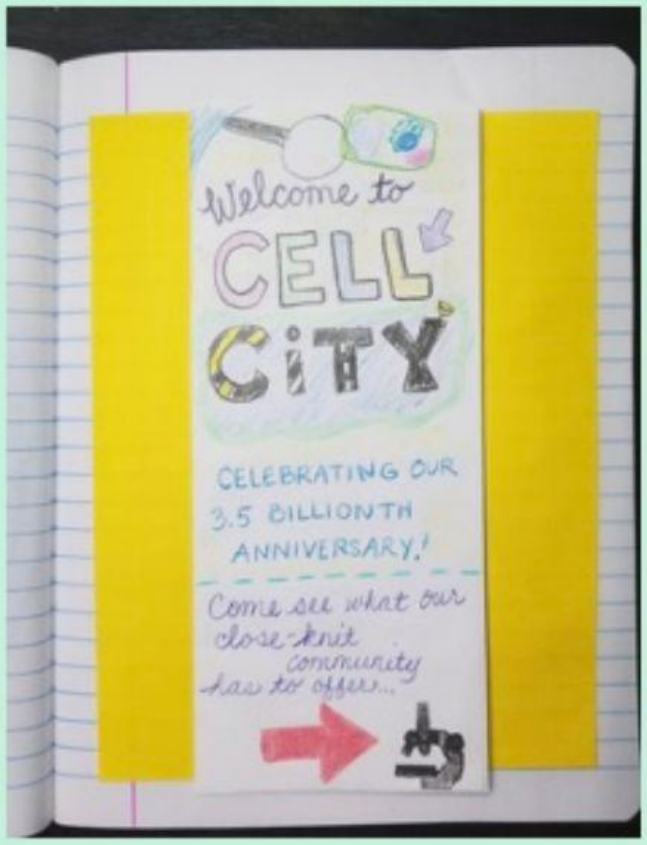


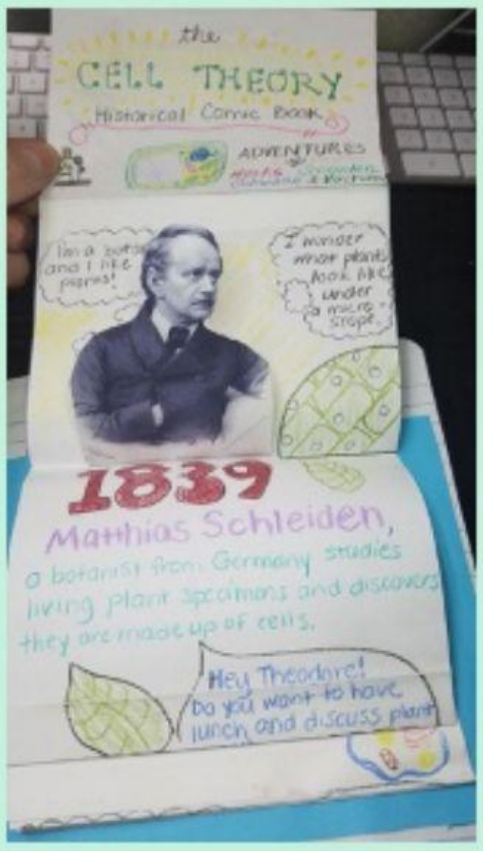
Each topic comes with a suggested order of use. These can be implemented with other lessons and curriculum.

biology roots





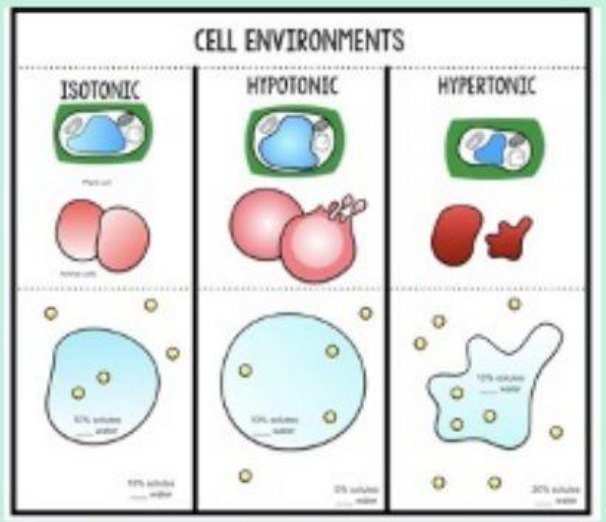




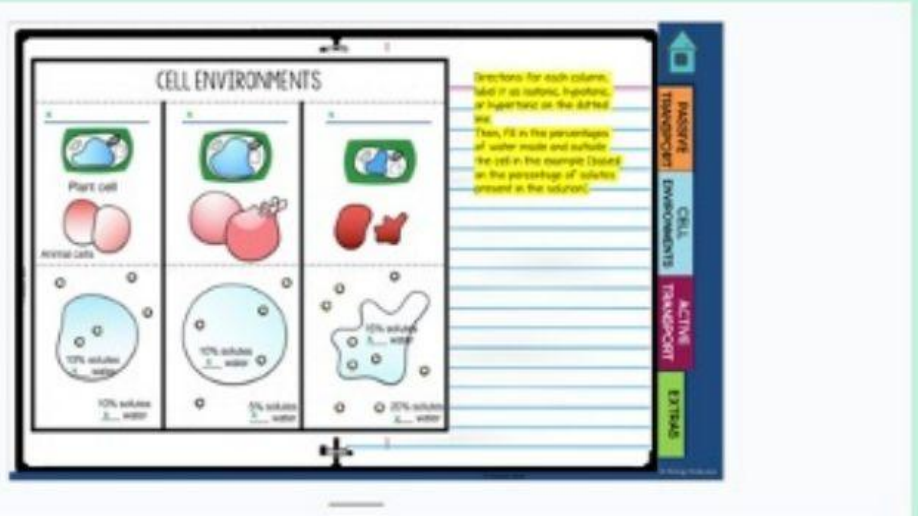
CELL TRANSPORT

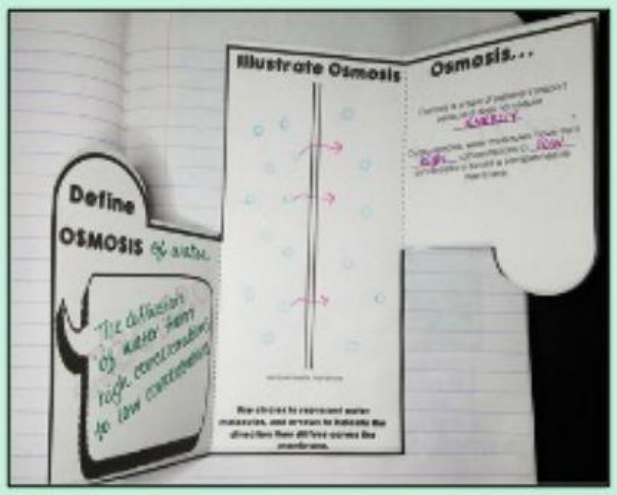
25 activities

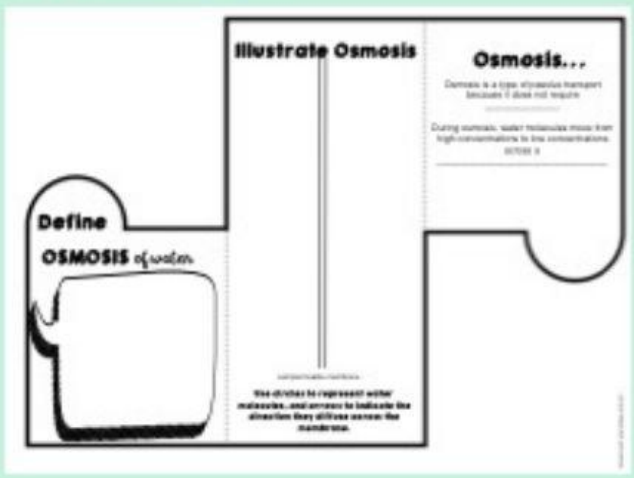
Topics: passive transport (osmosis, facilitated diffusion, simple diffusion); active transport (endocytosis, exocytosis, sodium potassium pump, real life examples of cell transport).

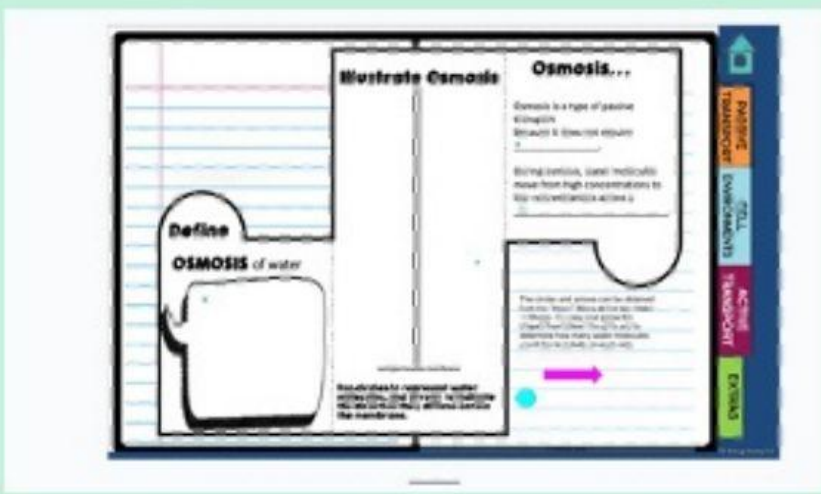


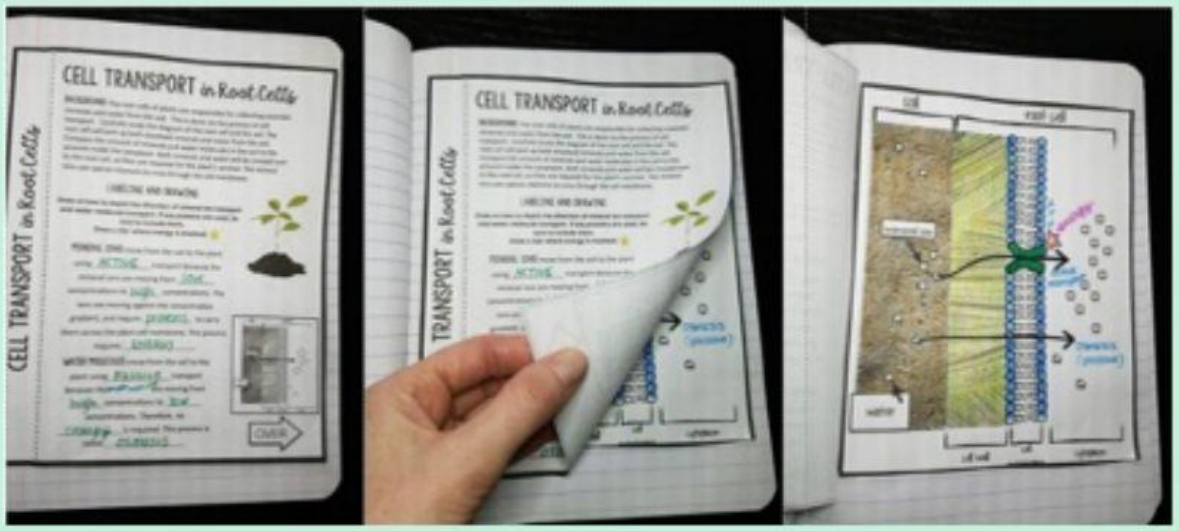


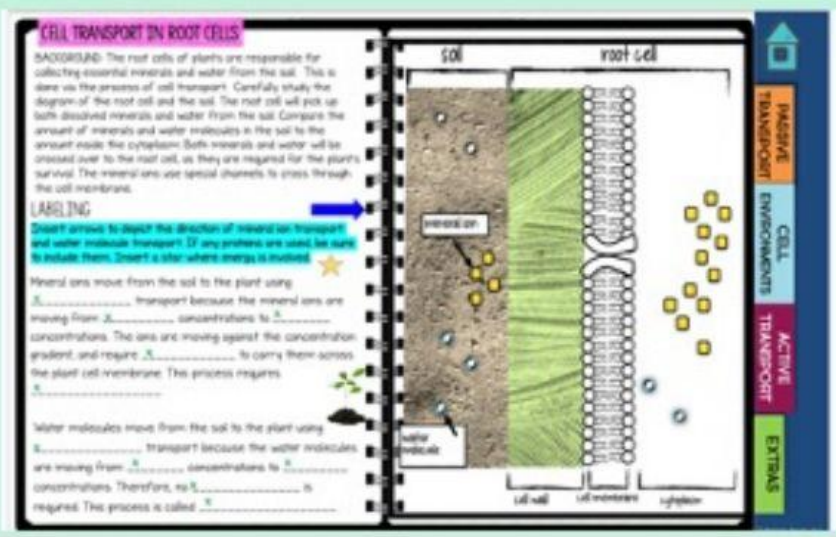










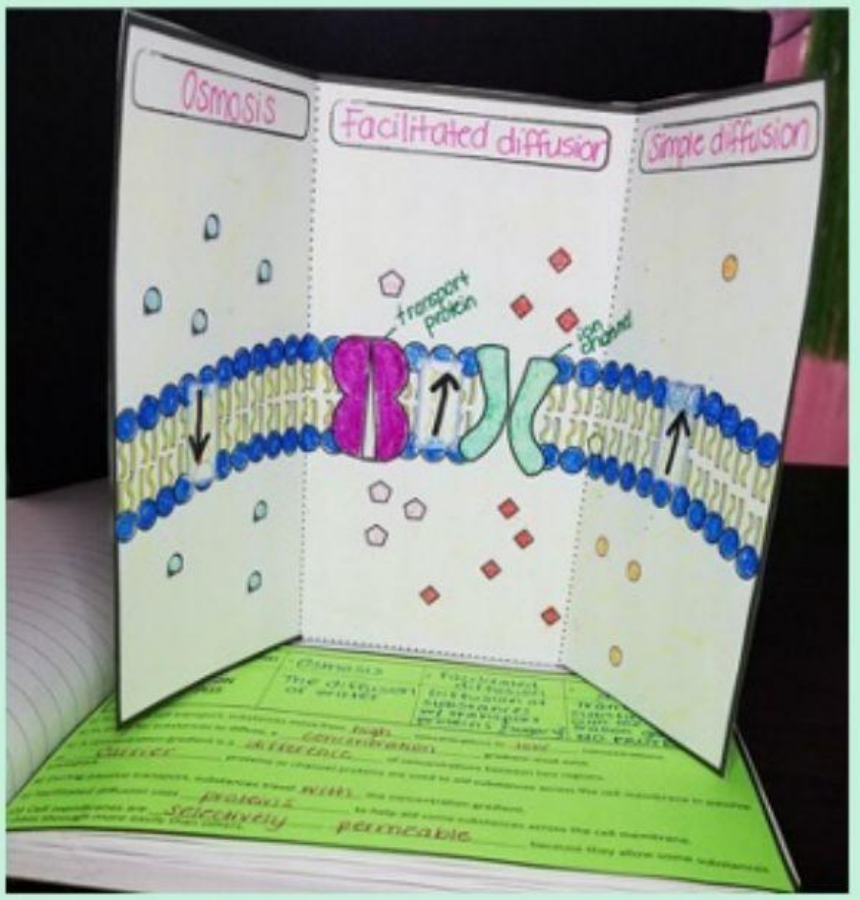


CELL TRANSPORT

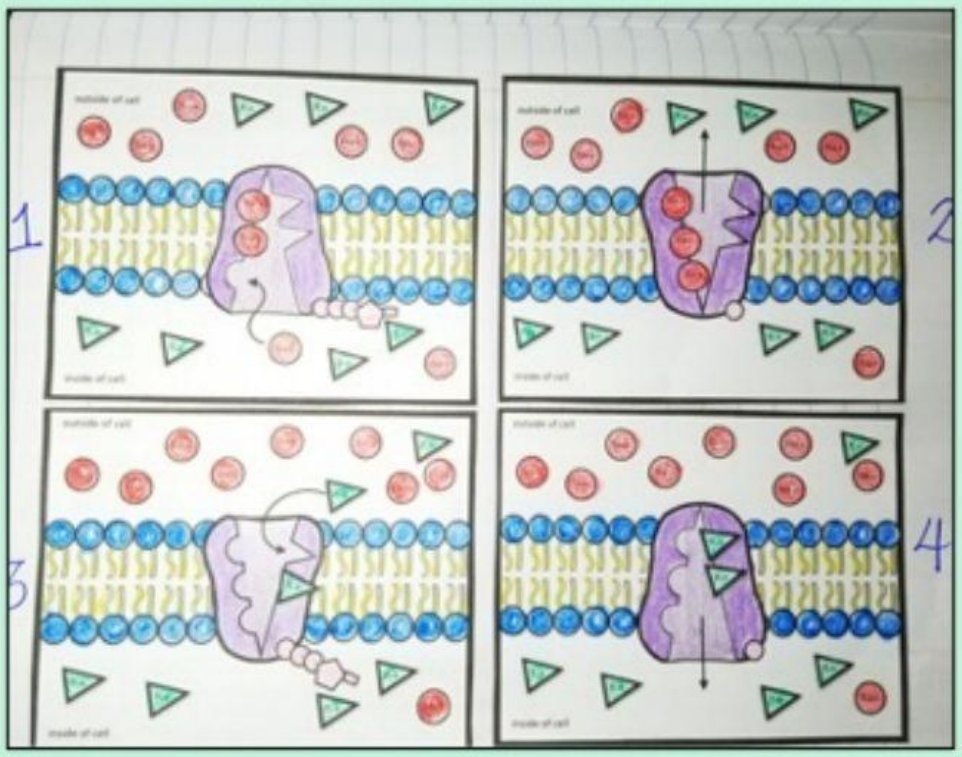
25 activities

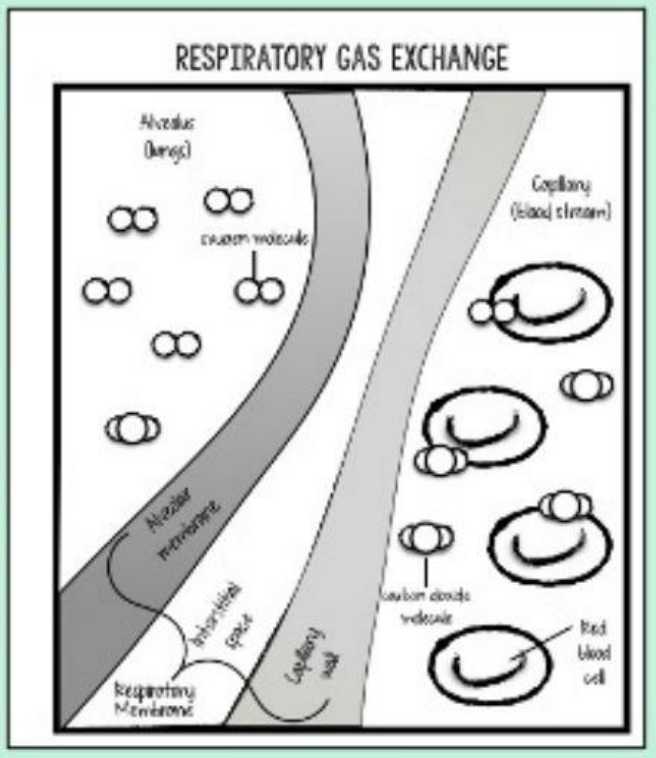
ORDER OF ACTIVITIES	
1	–🍥 Your choice of one activity from "Passive Transport Basics" INB folder –Diffusion Across the Respiratory Membrane INB version
2	🍥 Simulating Diffusion Flap Book (can be done using a demo, lab, or video to help supplement)
3	Osmosis and Facilitated Diffusion Interlocks
4	Cell Environments Flap Book Your Choice (see folder)
5	Active Transport Basics (choose one from folder).
6	–Endocytosis center fold; Exocytosis center fold; –🍥 Macrophage Flip Book (your choice of cut and paste option or no cut and paste).
7	Sodium Potassium Pump cut and paste OR 🍥 Sodium Potassium Pump coloring

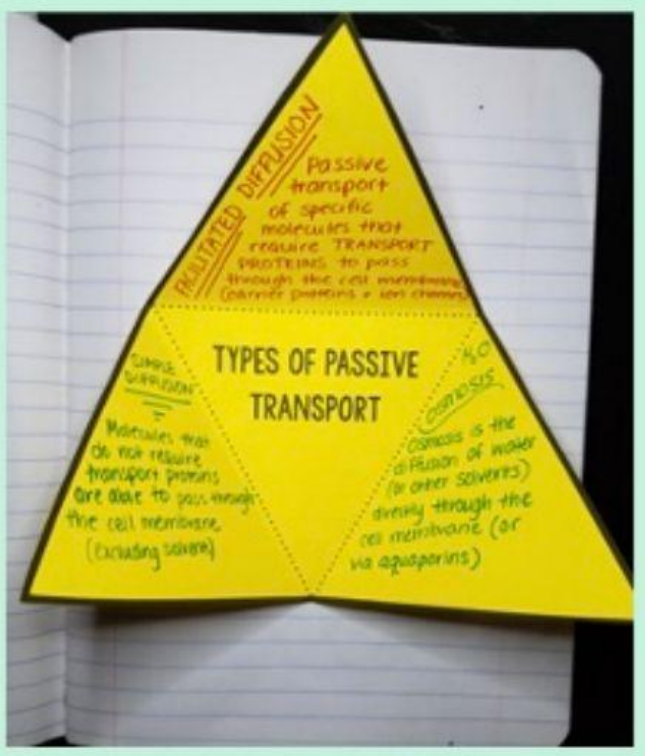
Each topic comes with a suggested order of use. These can be implemented with other lessons and curriculum.



biology roots



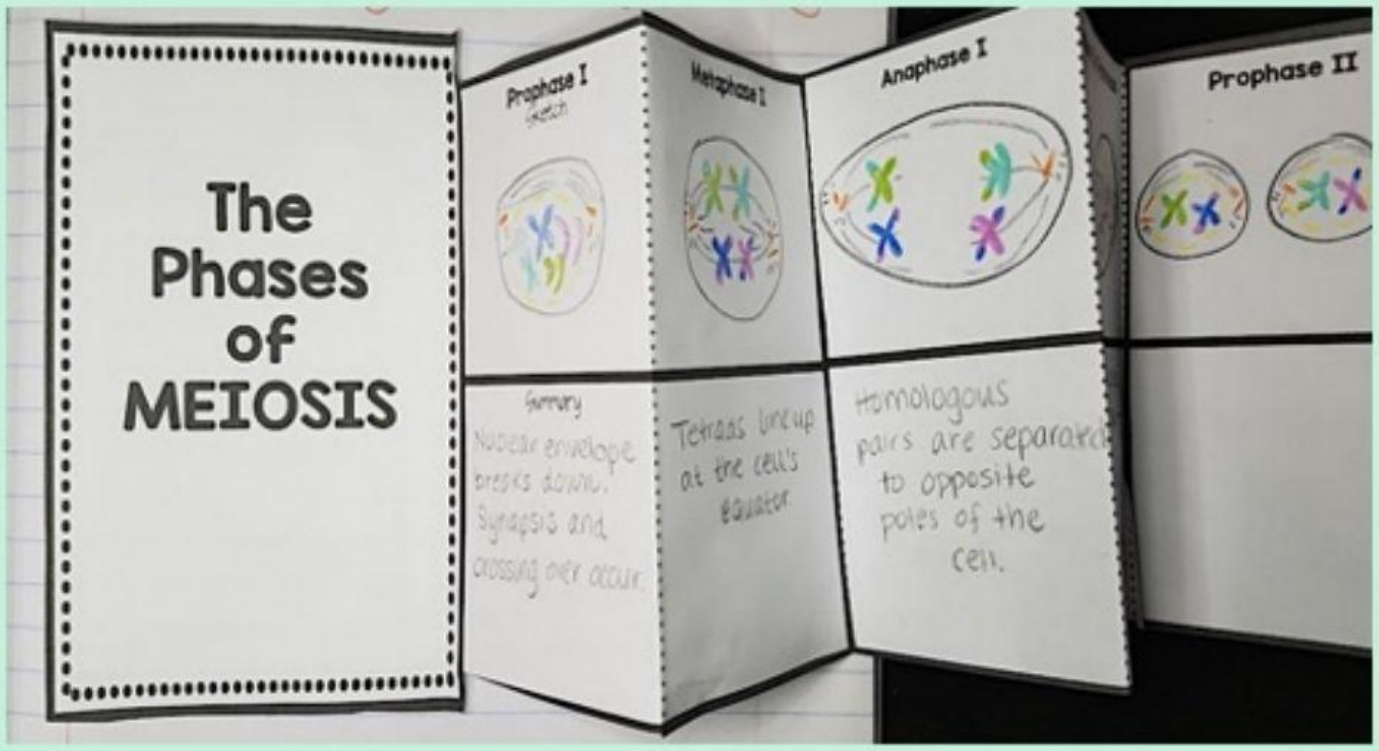


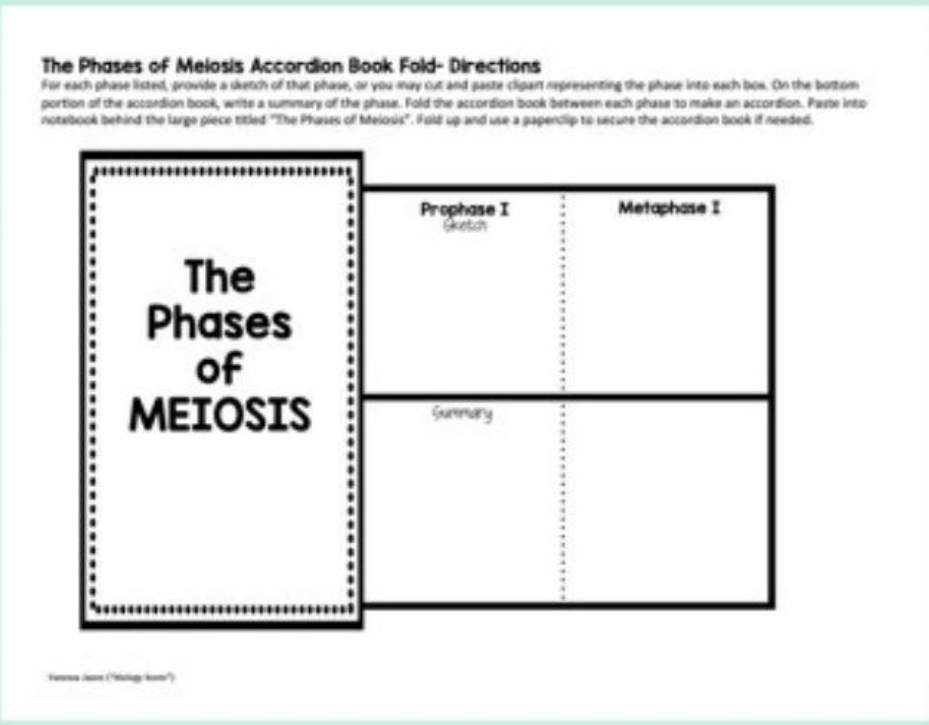


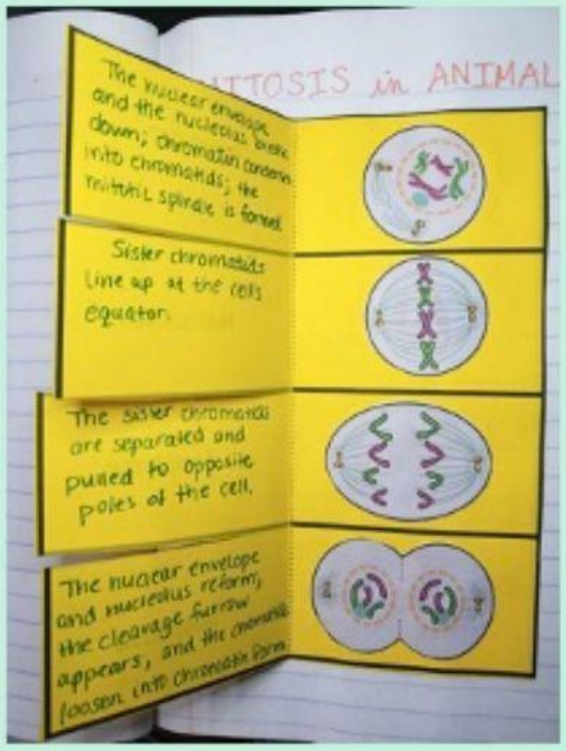
CELL DIVISION

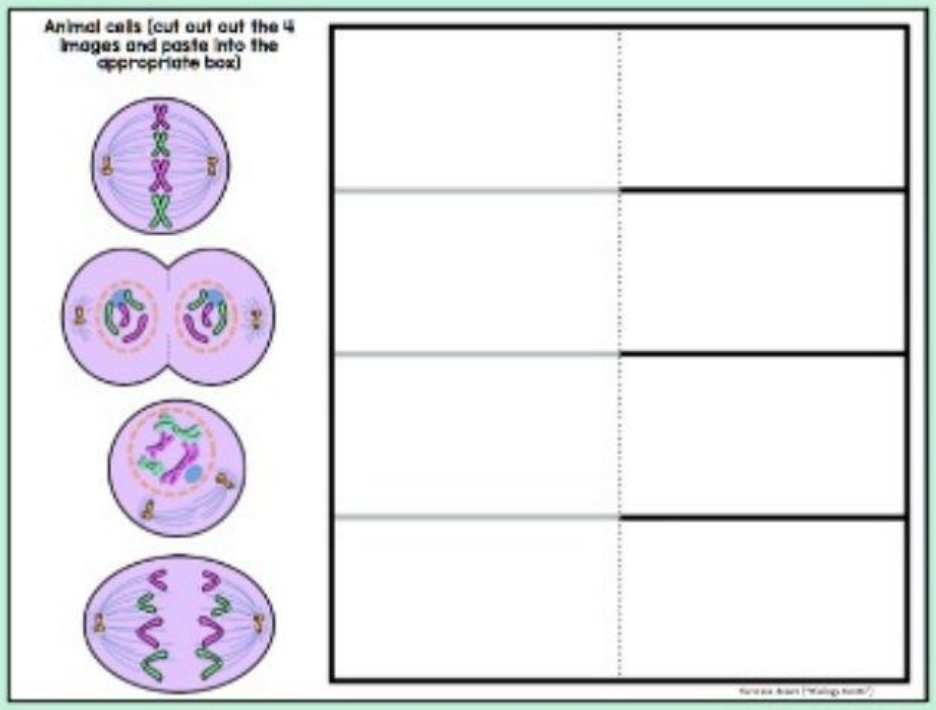
12 activities

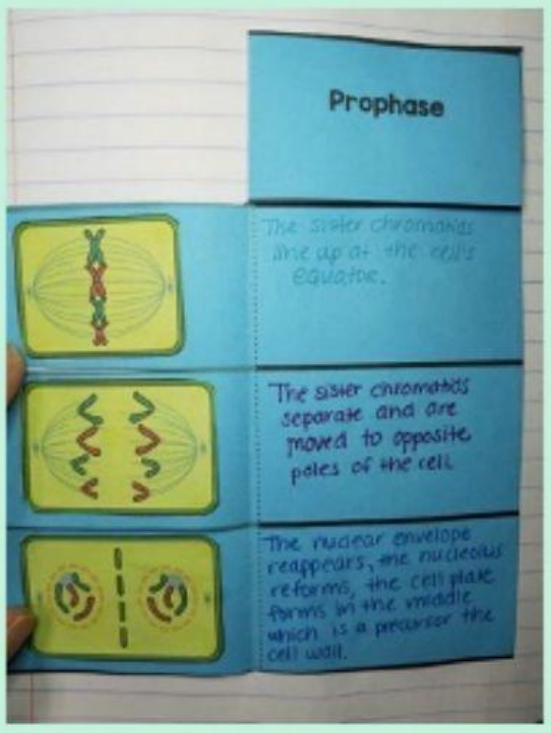
Topics: cell cycle, mitosis (plant cells and animal cells), meiosis











biology roots

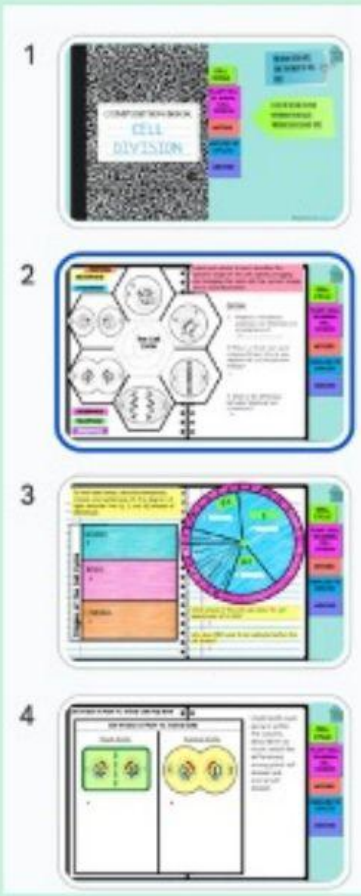
CELL DIVISION

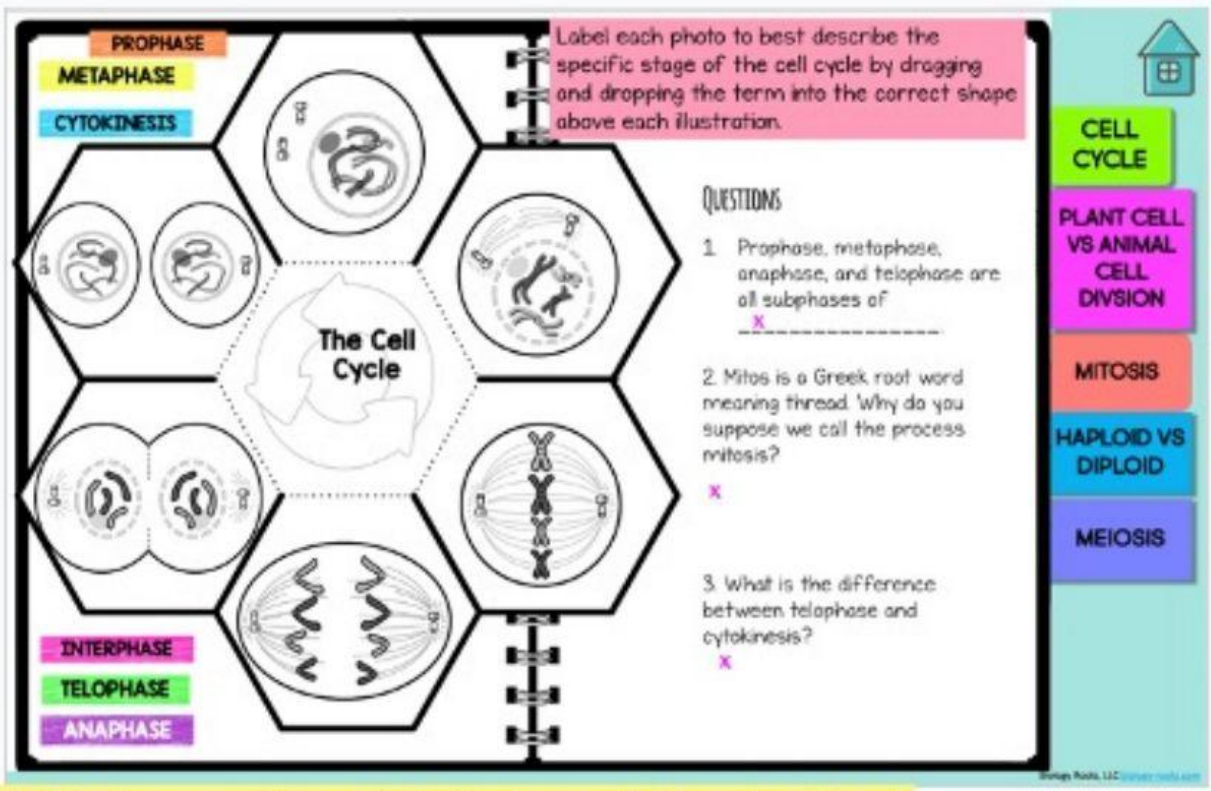
12 activities

ORDER OF ACTIVITIES	
1	Choose 1–2 INB activities from "basic cell cycle" folder
2	INB plant vs animal folder: Do either BOTH the plant and animal labeling OR the Cell Division plant vs. Animal Flap Book (You may also choose to do all ("and" instead of "or")
3	Mitosis (choose <u>one</u> flap book or the file book.)
4	Optional: Meiosis Accordion fold
5	Mitosis vs. Meiosis Venn and Mitosis vs. Meiosis Diagram



Each topic comes with a suggested order of use. These can be implemented with other lessons and curriculum.



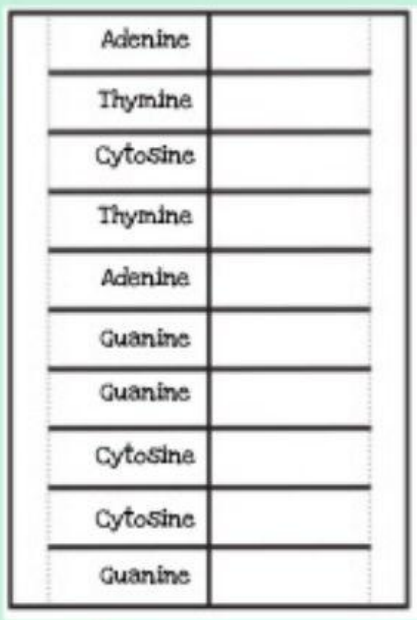


Digital Interactive Notebook included.

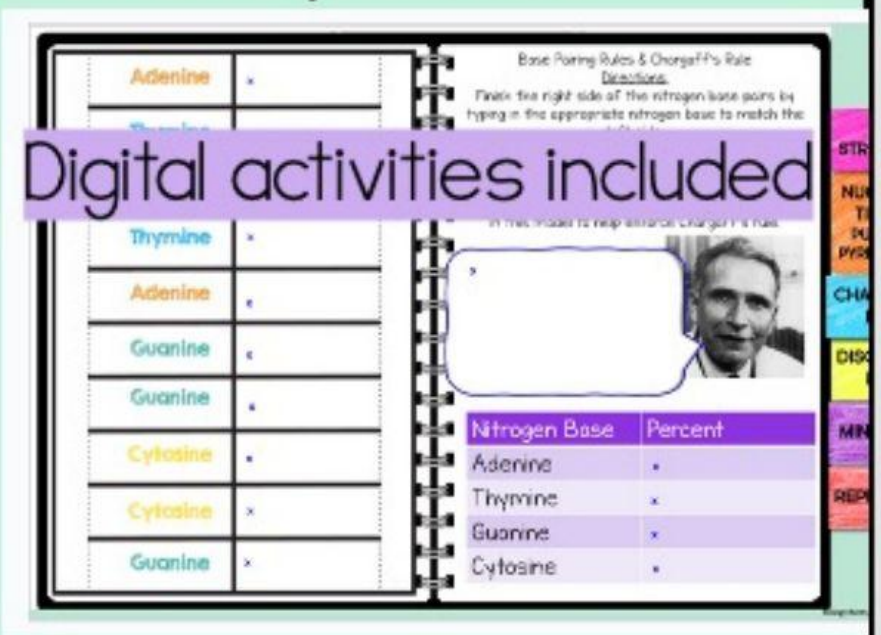
DNA 12 activities

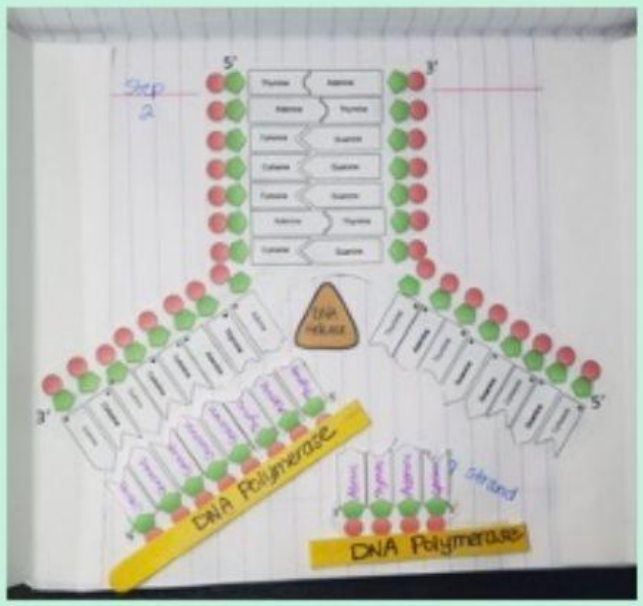
Topics: DNA structure, nucleotides, purines/pyrimidines, Chargaff's rule, DNA replication, protein synthesis

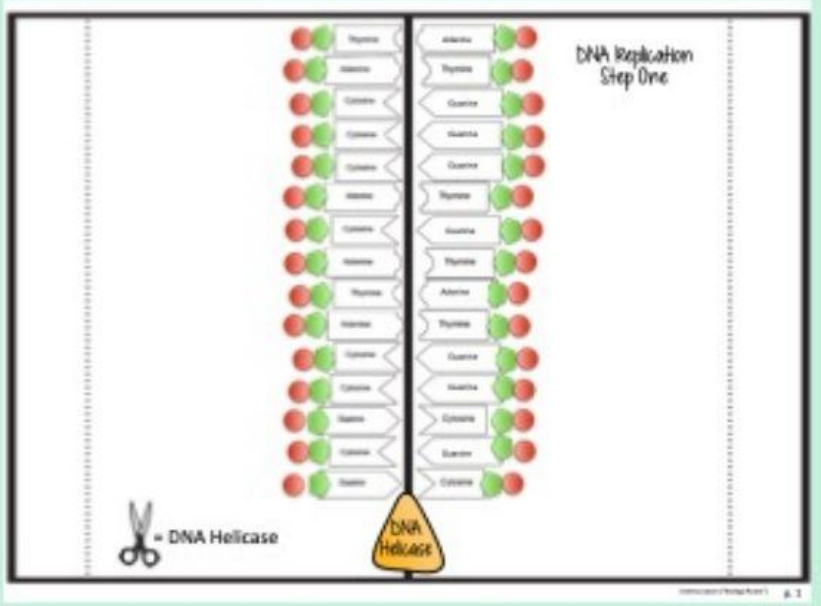


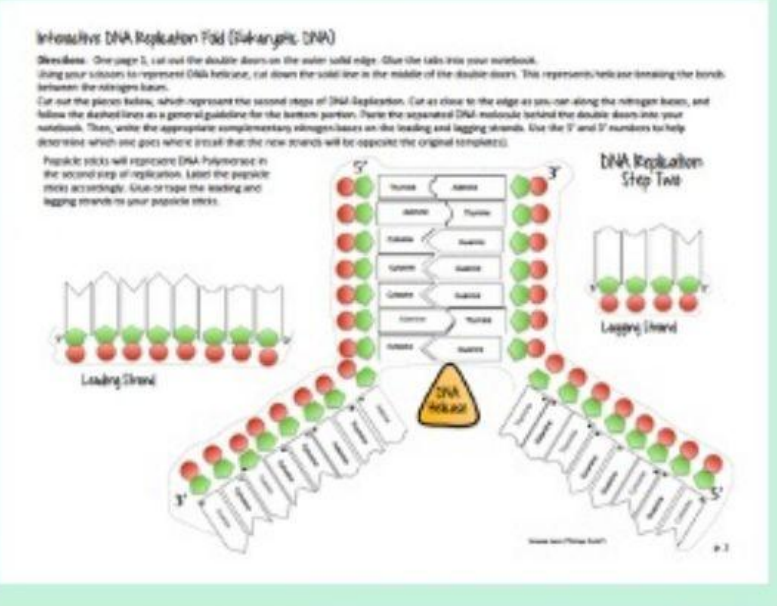


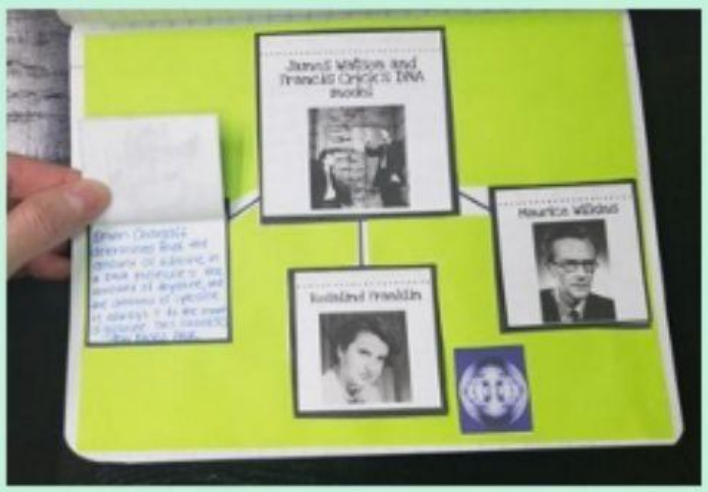


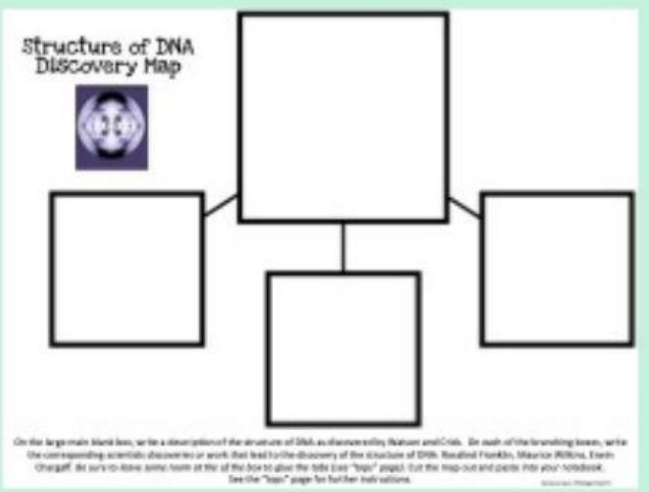


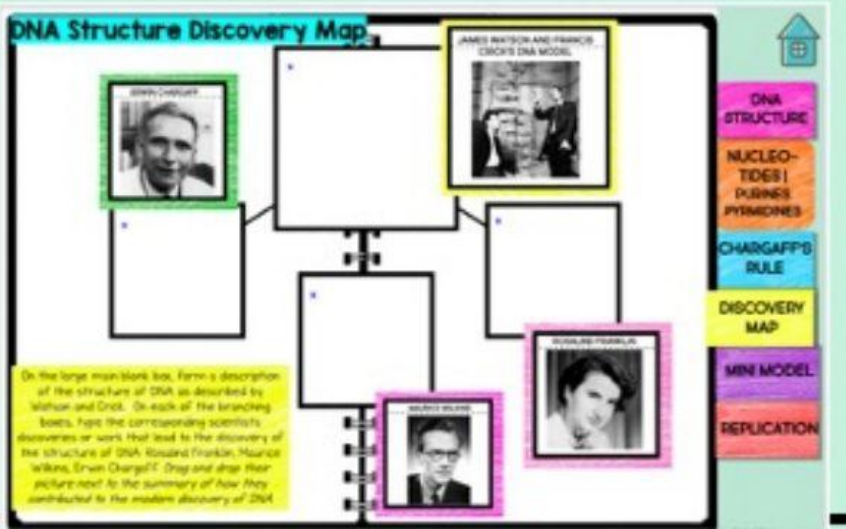










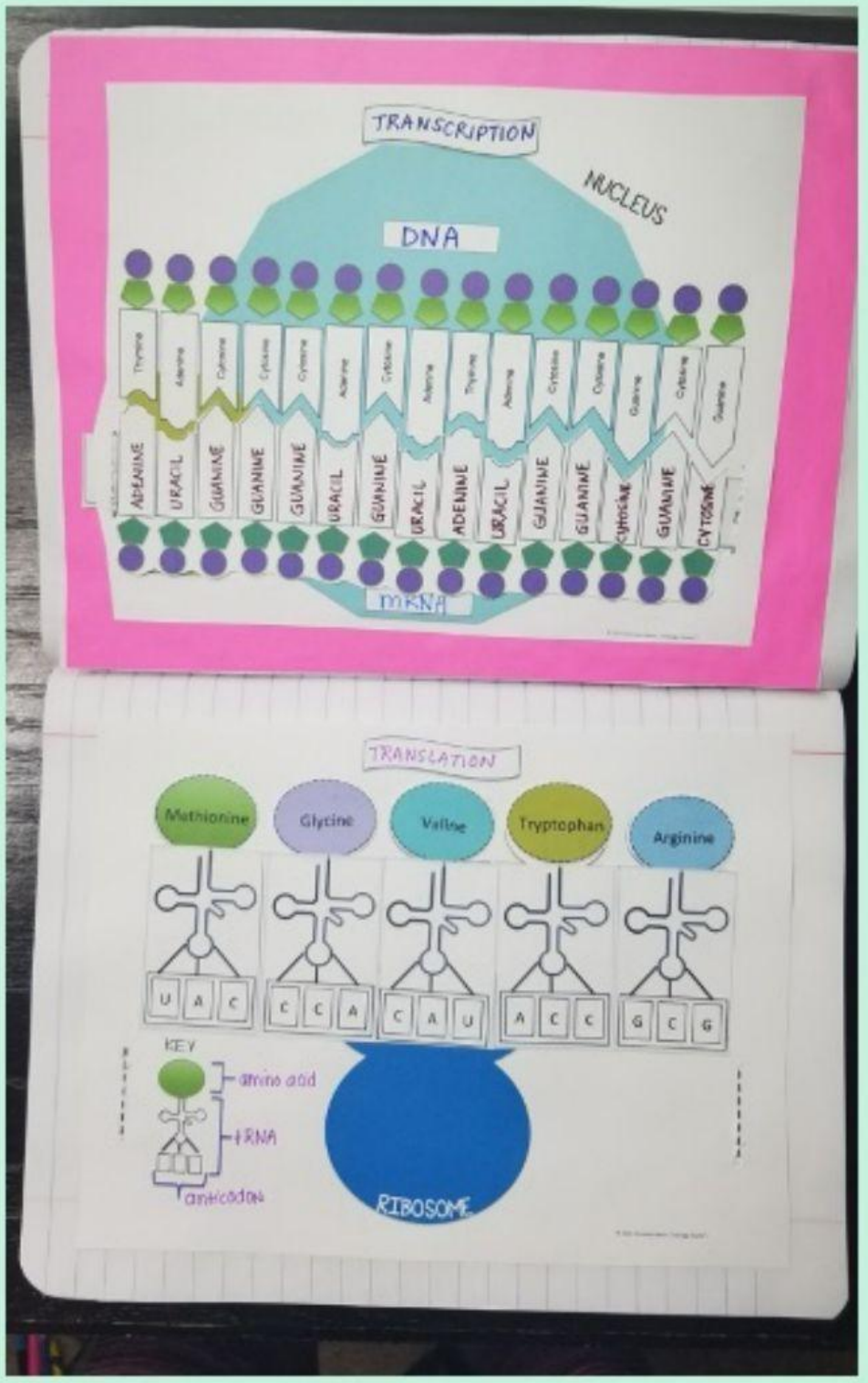


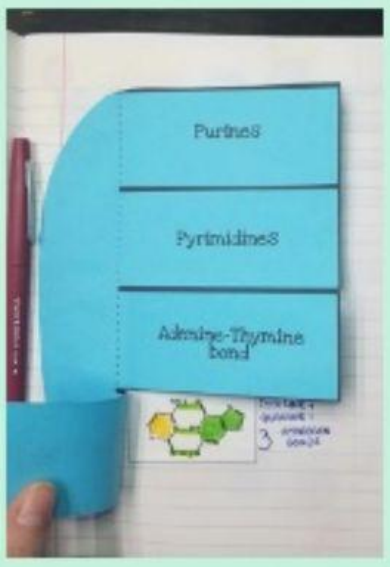
DNA 12 activities

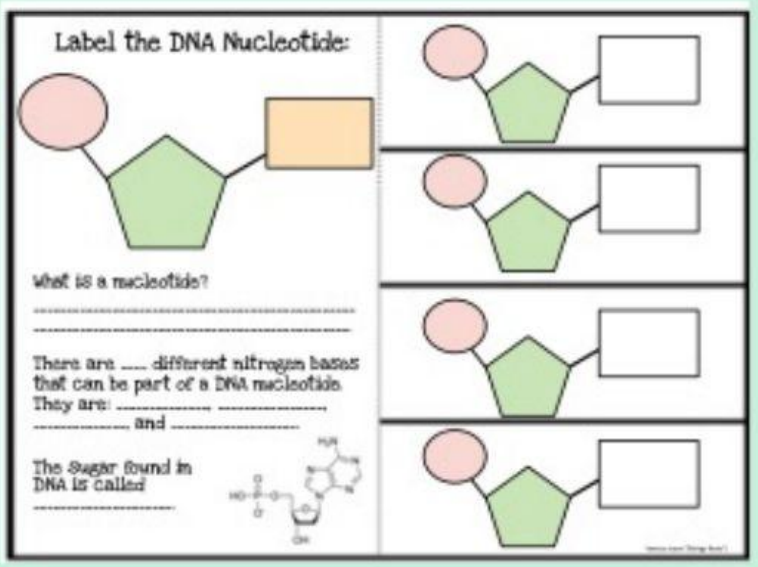
ORDER OF ACTIVITIES

1	-DNA Structure Shape Fold and Size Accordion Fold -DNA Mini Model
2	Nucleotides (choose <u>one</u> option from folder)
3	Structure of Discovery Map (in History Folder)
4	Chargaff's Rule Purines Pyrimidines (choose one from folder) (if time you can also include #5 below)
5	DNA Label (choose color or no color option) *This may be paired with #4 as well
6	-🎨 DNA Replication Coloring -DNA Replication Double Doors - in replication folder

Each topic comes with a suggested order of use.
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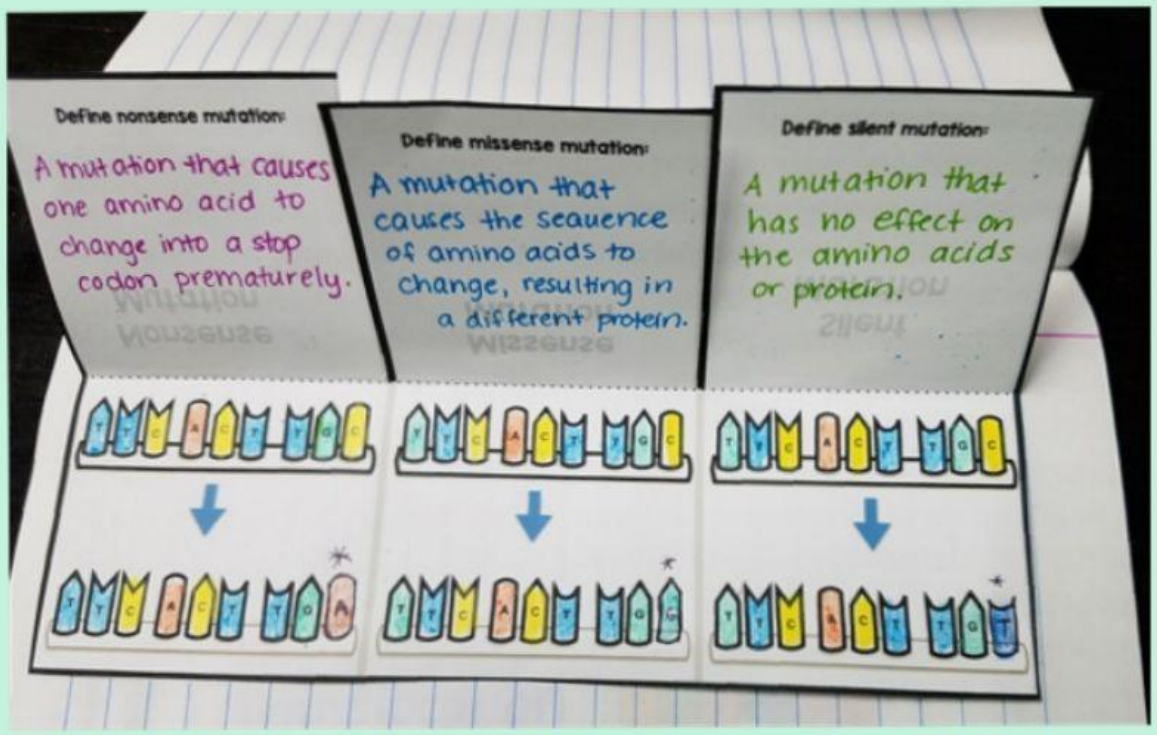


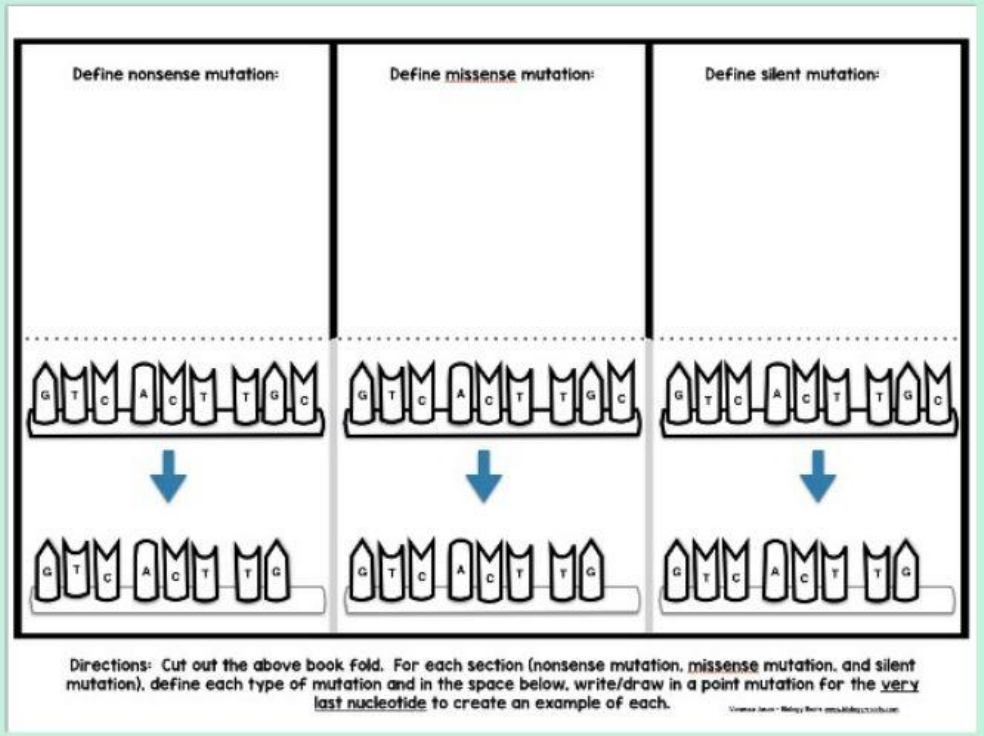


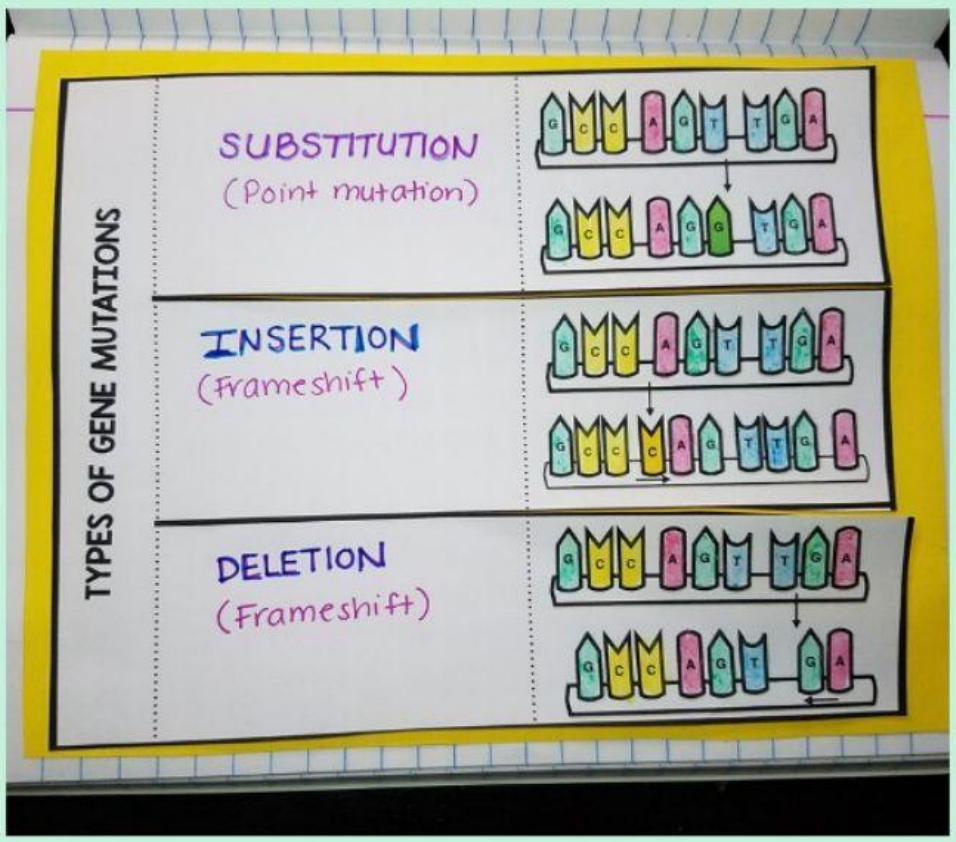
biology roots

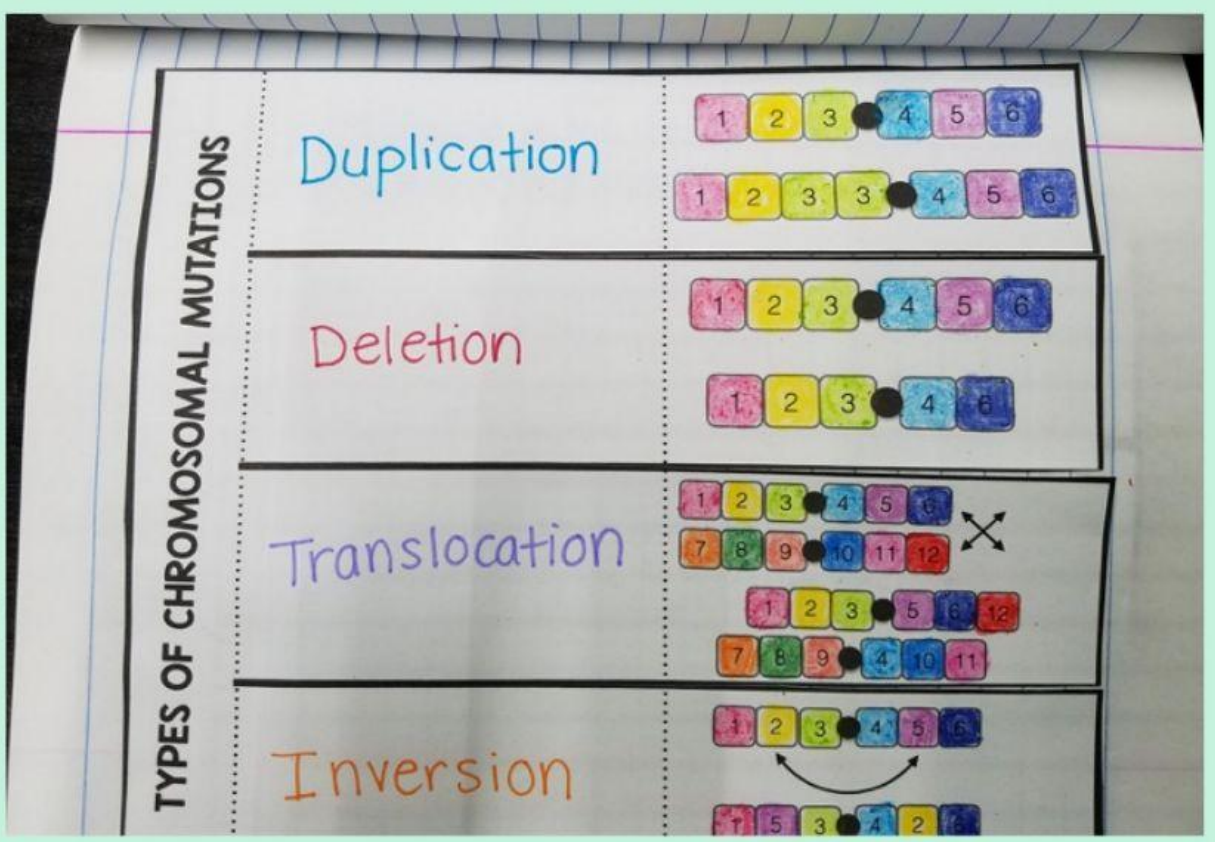
DNA 12 activities

MUTATIONS

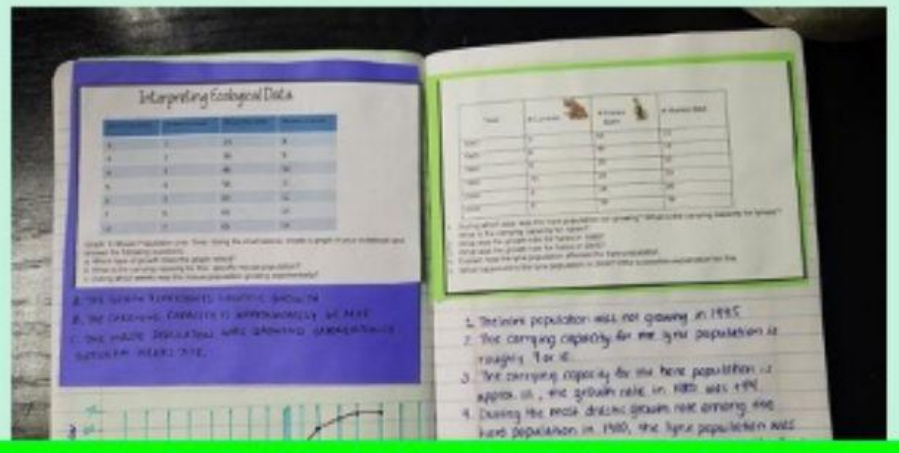


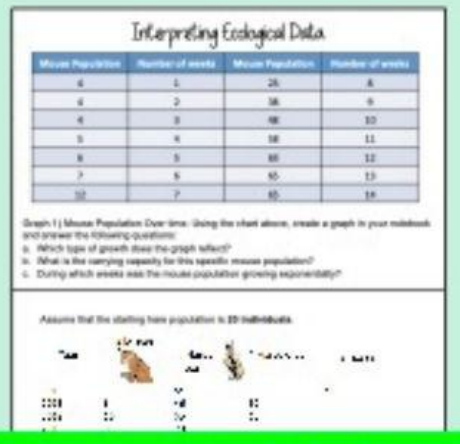


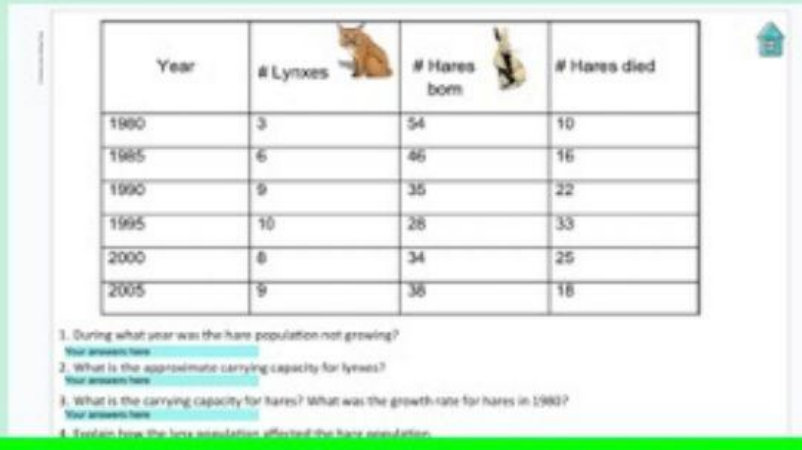




ECOLOGY 21 activities

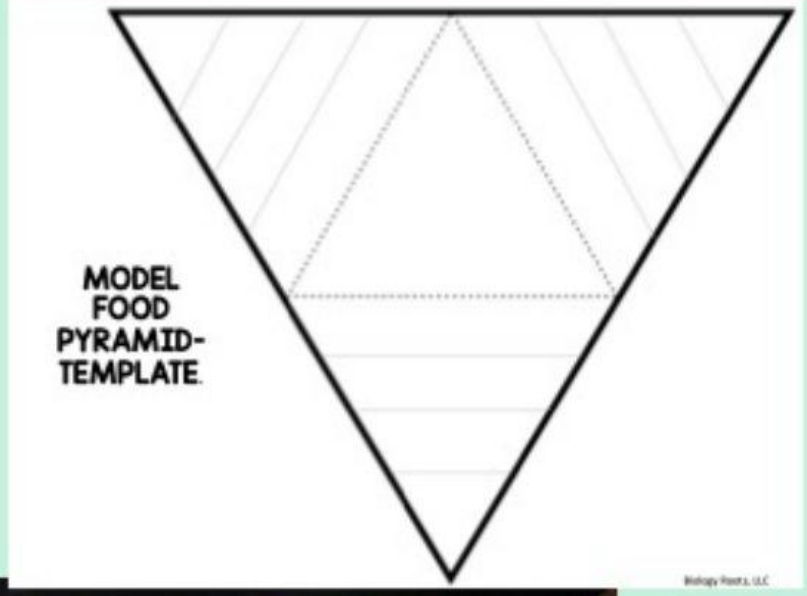


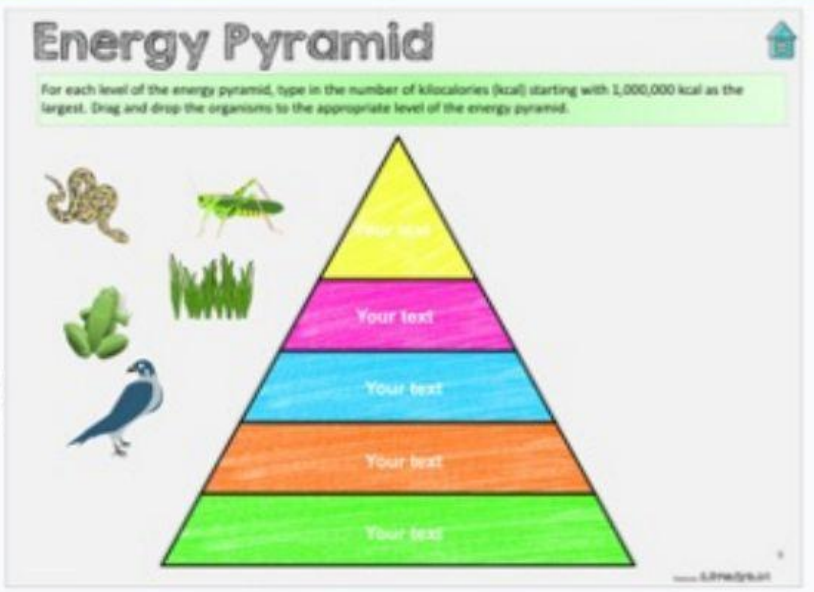


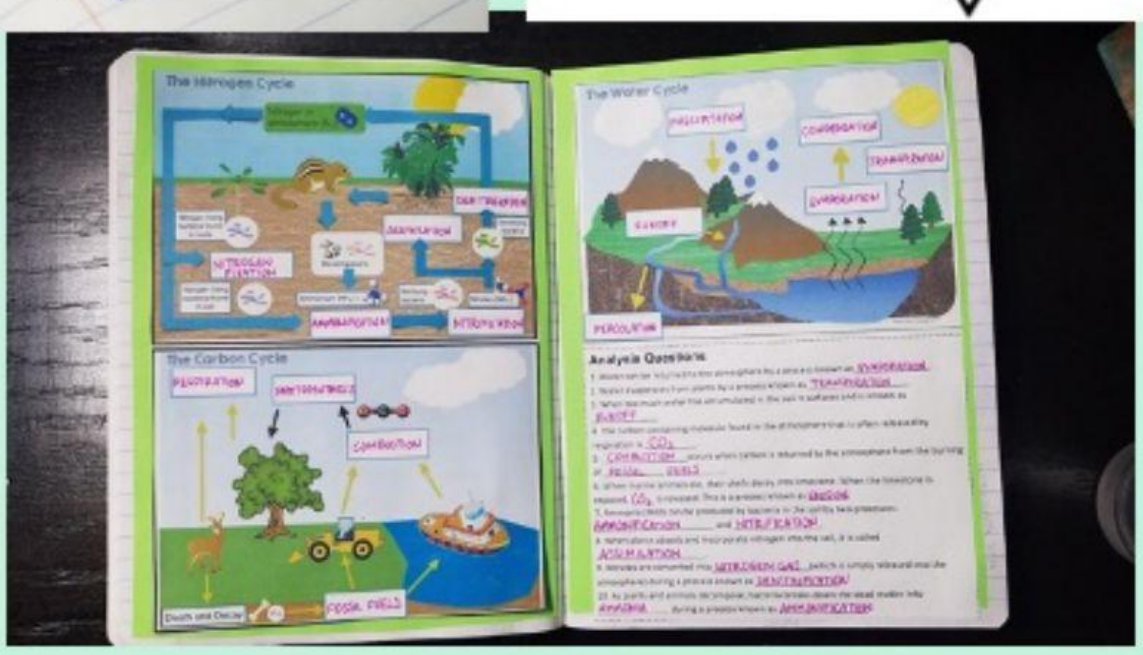


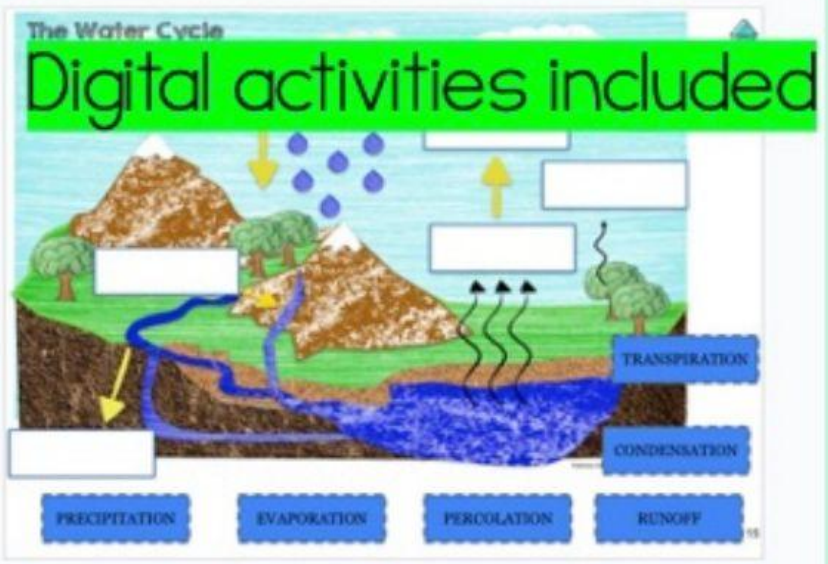
Topics: Ecosystems, Succession, Energy Flow, Populations, Biomes, Biogeochemical Cycles









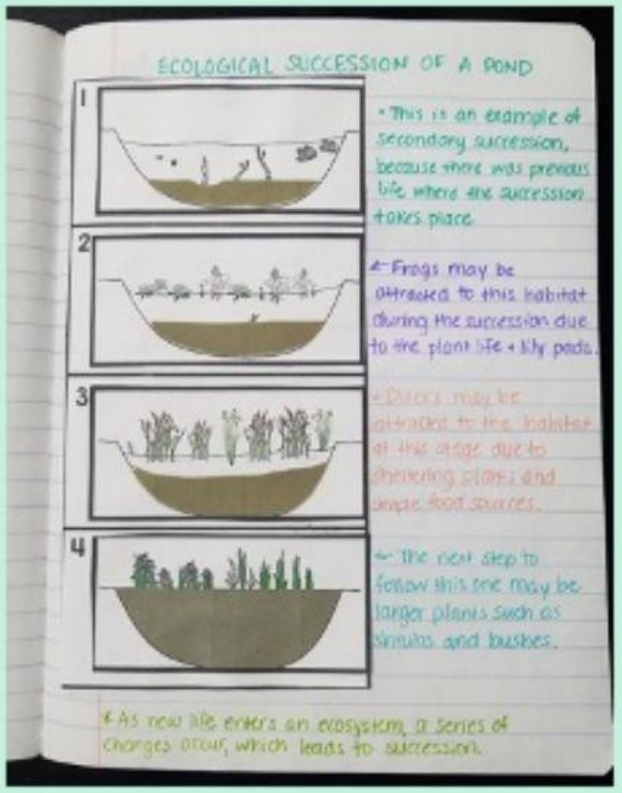


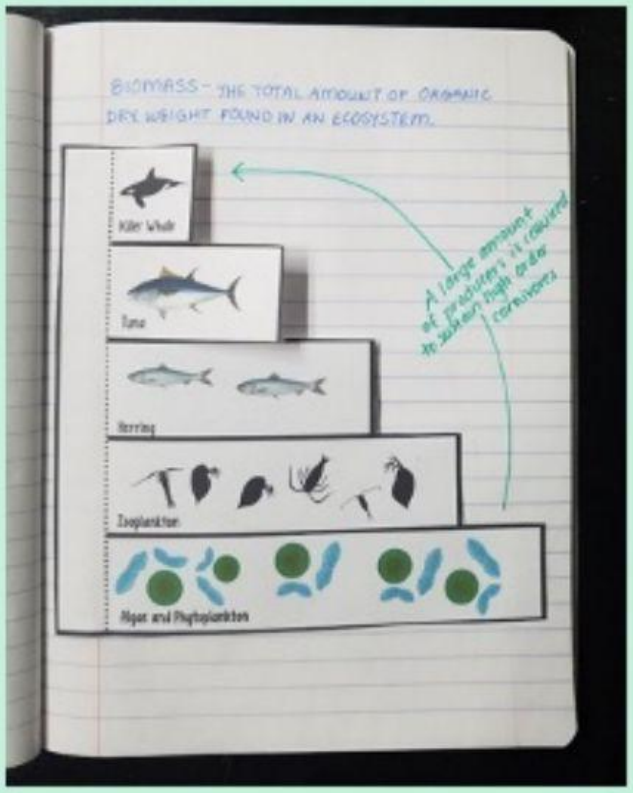
ECOLOGY 21 activities

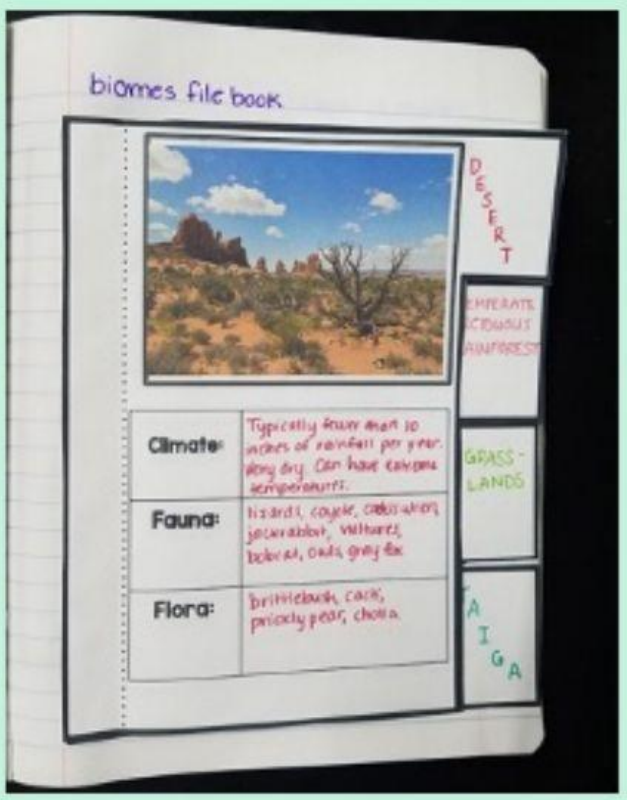
ORDER OF ACTIVITIES

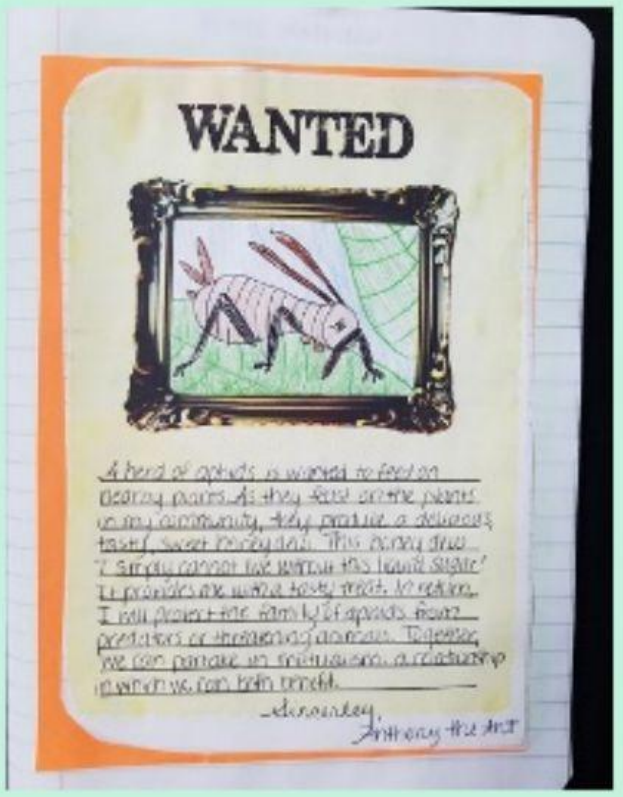
1	-Primary Succession Timeline Cut and Paste -Pond Succession
2	-Biomass Pyramid; Food Pyramid -Optional: Food Web Accordion; Food Web cut and paste (if doing all, you may span this across two days)
3	-Drawing biogeochemical cycles - Labeling Biogeochemical Cycles
4	-Population Terms Flap Book; Optional: Dispersion Patterns -Population Growth and Data (can work in partners.)
5	-Symbiosis Snip and Flip -Symbiosis Want Ad
6	Biomes Double Doors
7	Biome File Book v(or brochure)

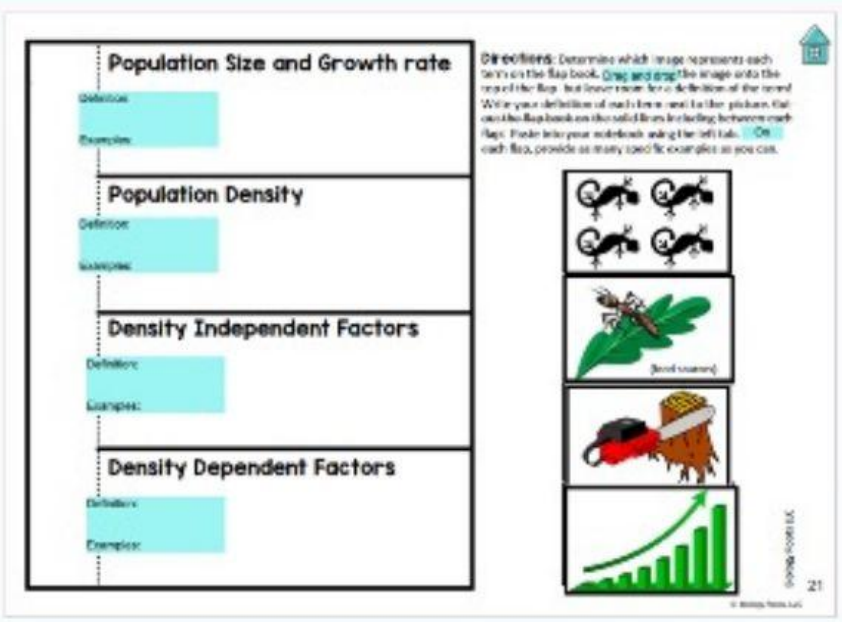
Each topic comes with a suggested order of use. These can be implemented with other lessons and curriculum.











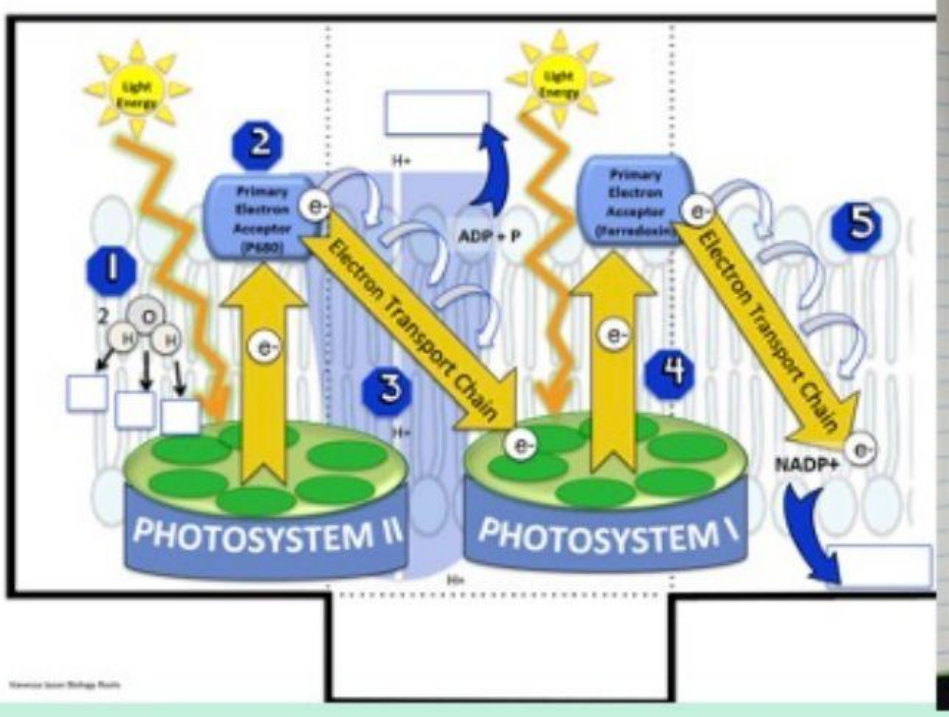
biology roots

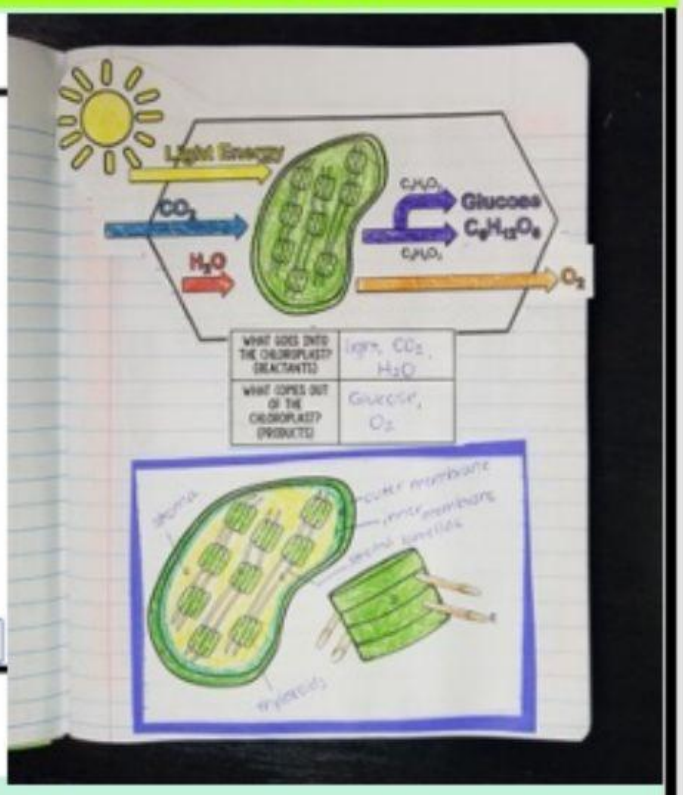
PHOTOSYNTHESIS

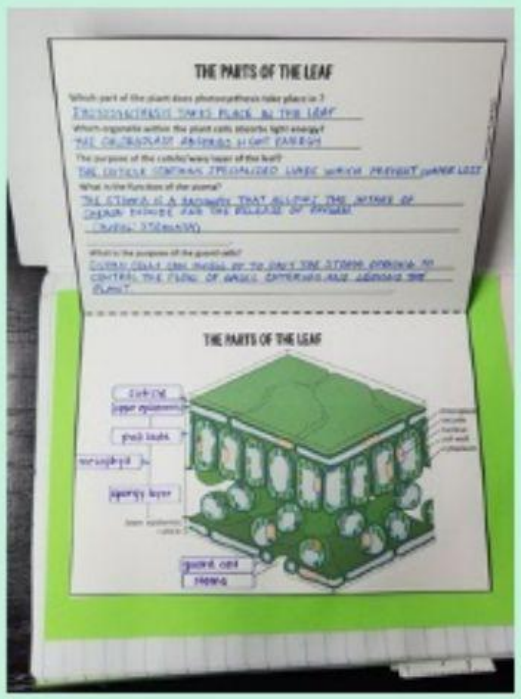
15 activities

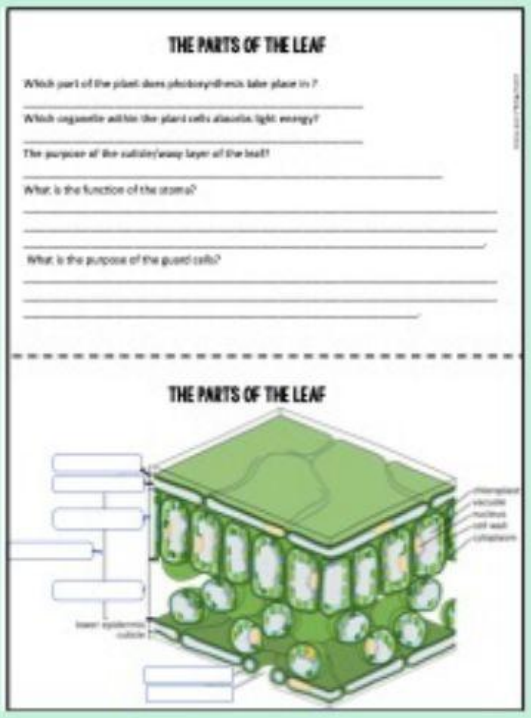
Topics: Chloroplast, Cells of the Leaf and stomata, light dependent reactions, light independent reactions.

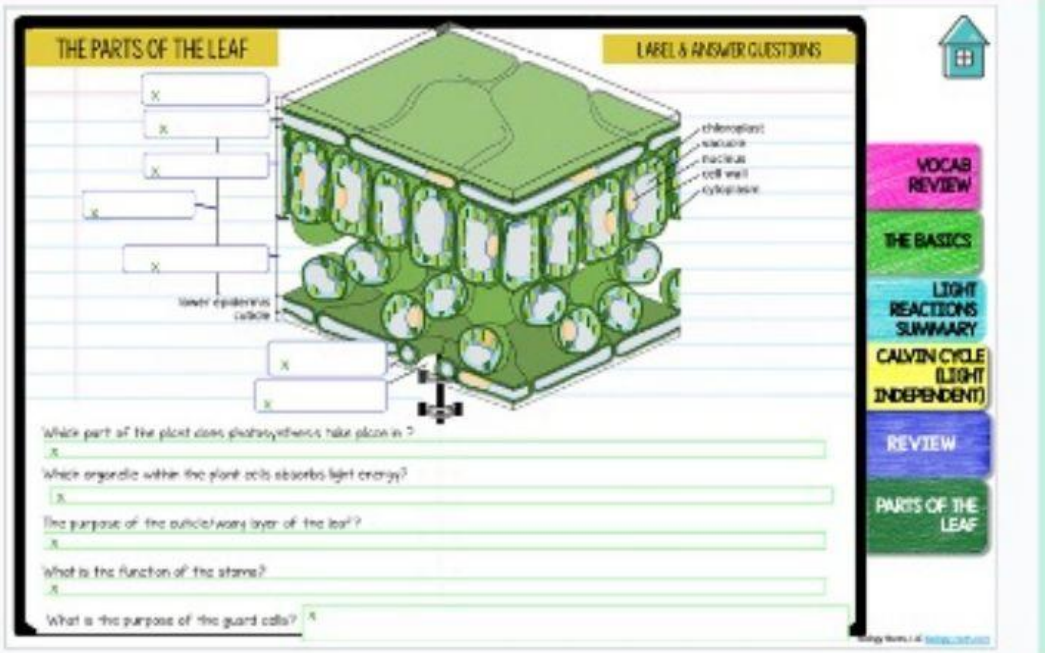








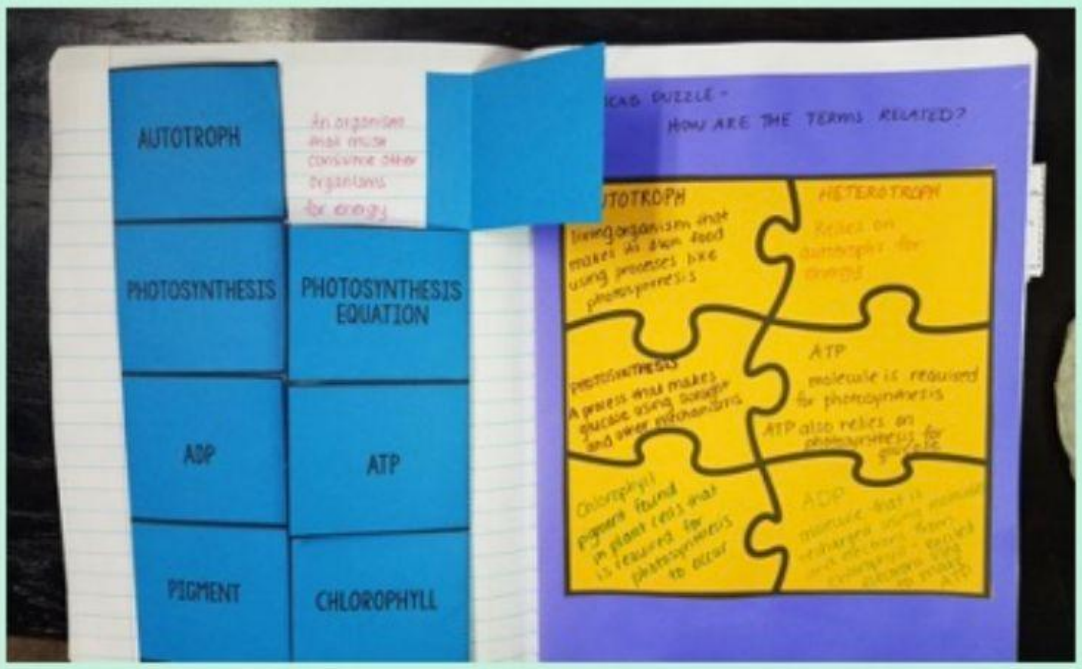




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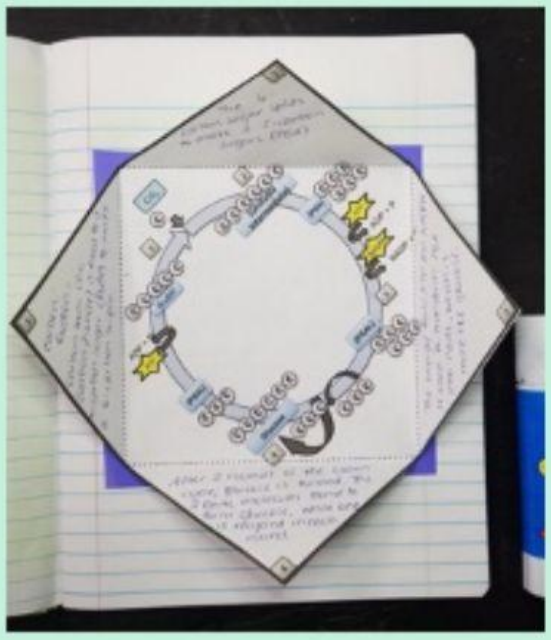
15 activities

ORDER OF ACTIVITIES	
1	INB: General Photosynthesis– Photosynthesis Equation Puzzle
2	OPTIONAL ADVANCED : INB Light reactions– choose one or two Electron Transport Chain activities (there are options to choose from), and the photolysis activity. If you do not teach these details, skip to next day.
3	General Photosynthesis: Book Fold OR the more advanced Stages Stage (choose one.)
4	–Calvin Cycle Practice found in Light Independent Reactions folder), From – Sunlight to Rainbow Sugar (cut and paste) found in General Photosynthesis).
5	General Photosynthesis– Cells of the Leaf Book Fold
6	INB Folder Choose ONE activity from Light reactions vs Light Independent Reactions Optional: INB Folder General Photosynthesis– Vocab puzzle OR vocab shutter fold



Each topic comes with a suggested order of use.
These can be implemented with other lessons and curriculum.

biology roots





Digital notebook included.

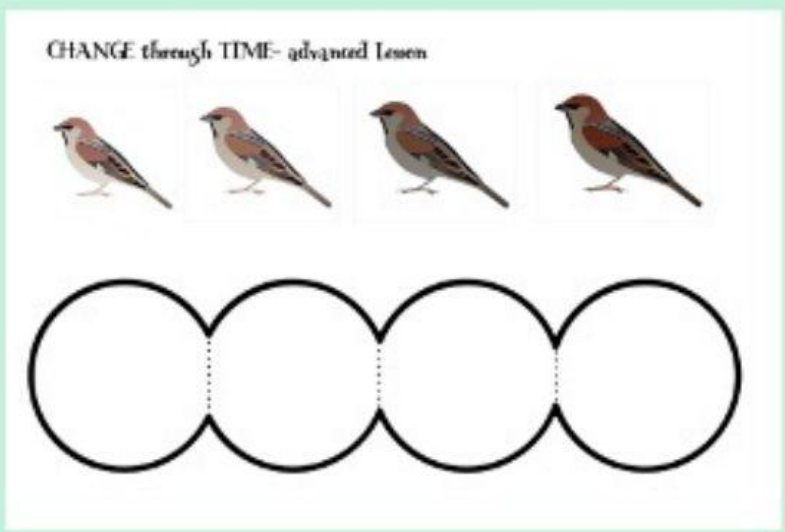


EVOLUTION

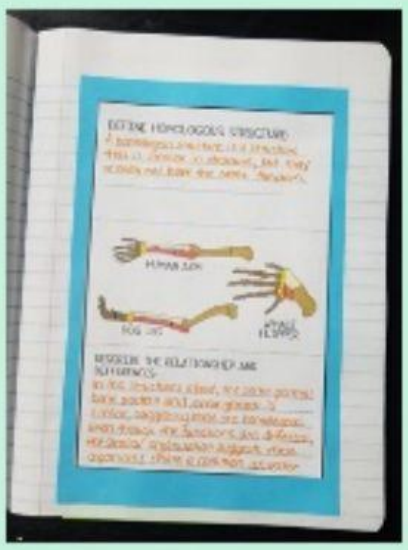
21 activities

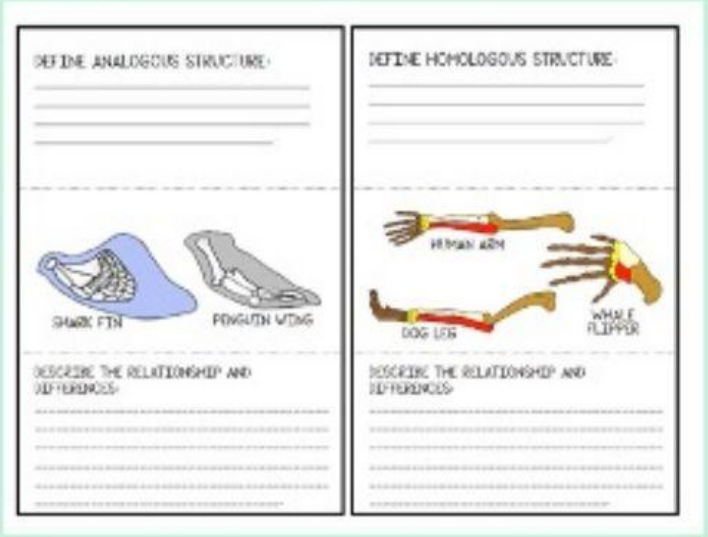
Topics: Natural Selection, evidence for evolution

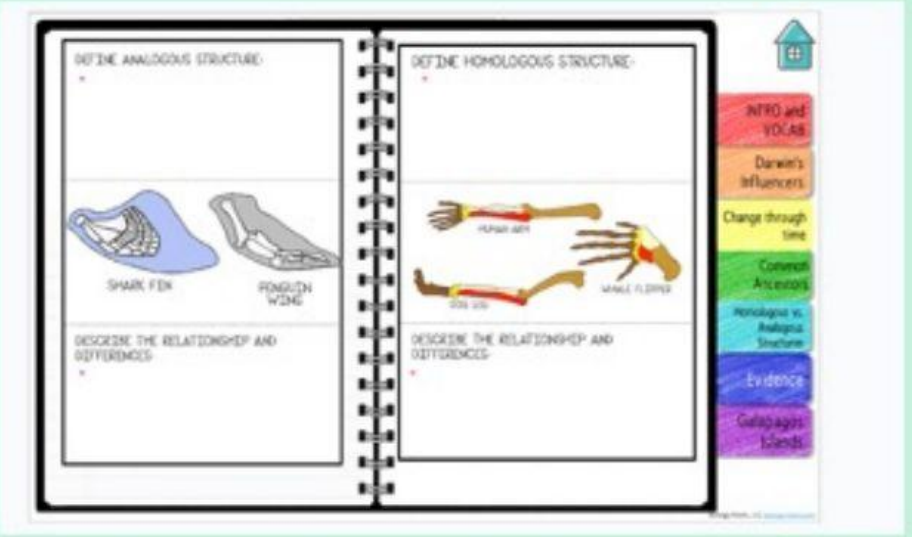


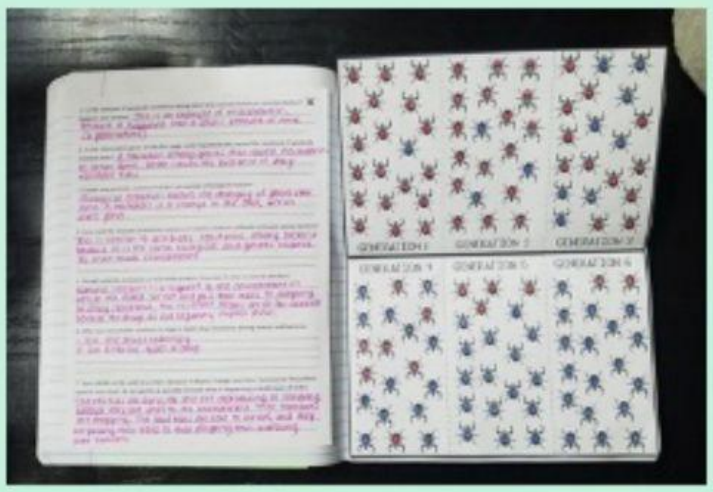


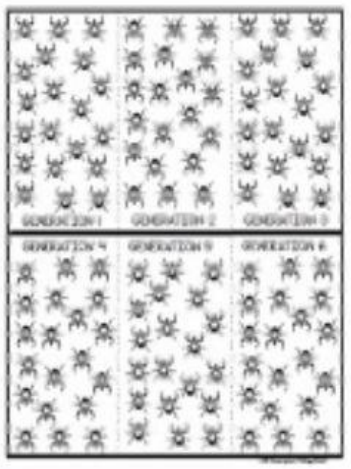












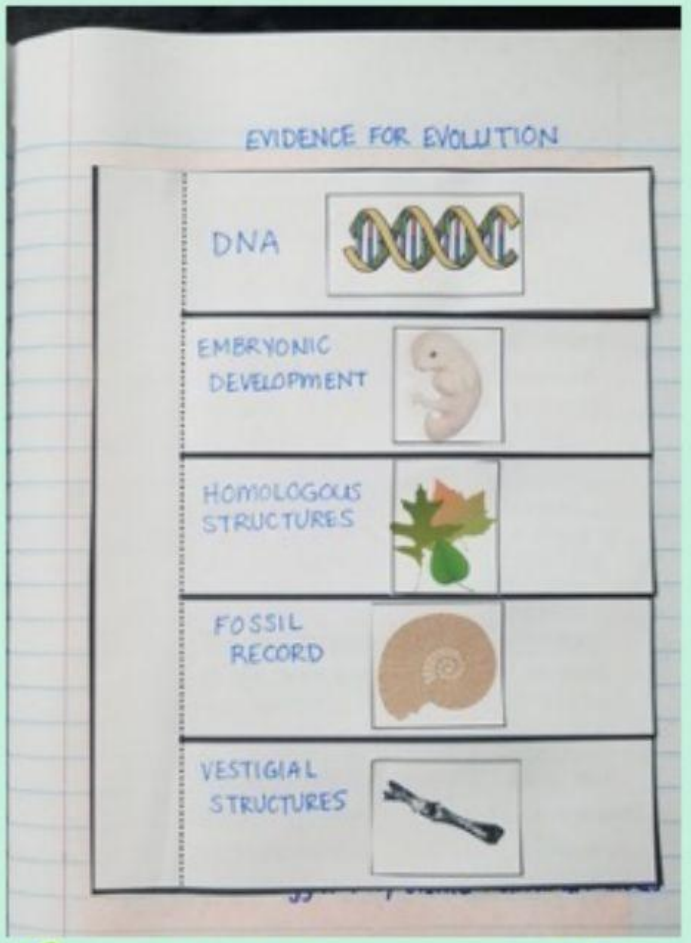


EVOLUTION

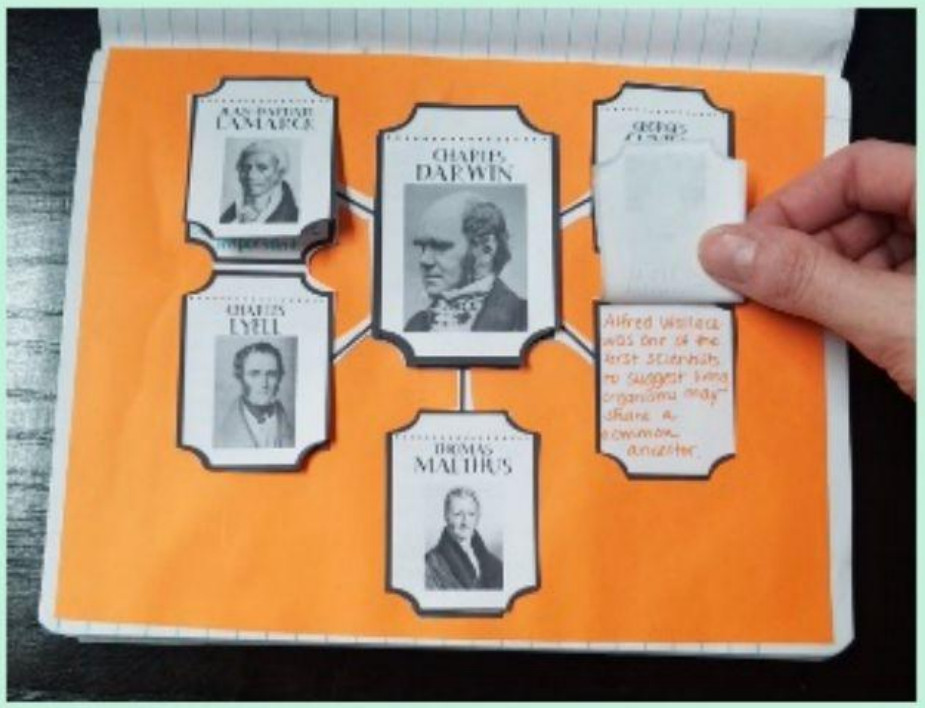
21 activities

ORDER OF ACTIVITIES	
1	Charles Darwin Influence Map
2	Change Through Time: Sparrows
3	-🎨 Change Through Time- Beetles -Galapagos Finch Natural Selection Map
4	Optional INB: Galapagos Reference Map and Galapagos Island Species Book Fold (choose one type of book fold)
5	🎨 Pesticide Resistance: Tricky Ticks
6	INB Evidence folder: Choose TWO (story of common ancestors, evidence for evolution flip flap book
7	Homologous and Analogous Structures (plus optional Venn Diagram)

Each topic comes with a suggested order of use.
These can be implemented with other lessons and curriculum.



biology roots

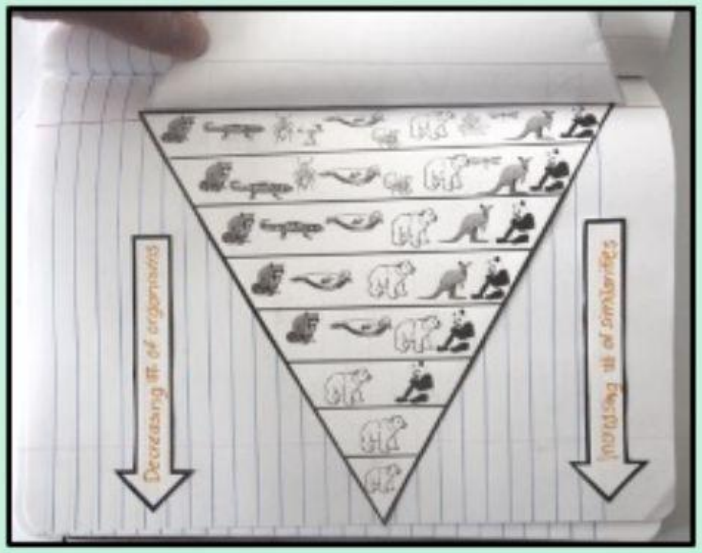


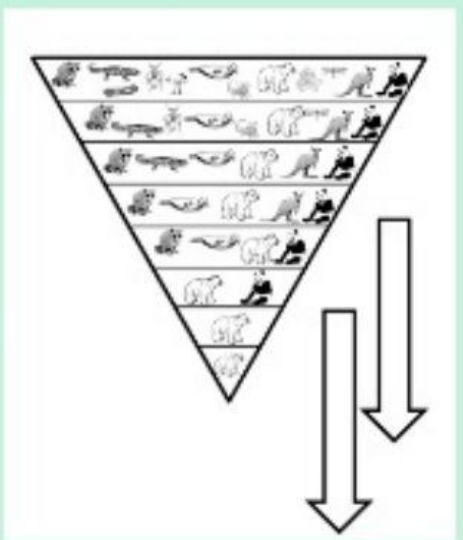


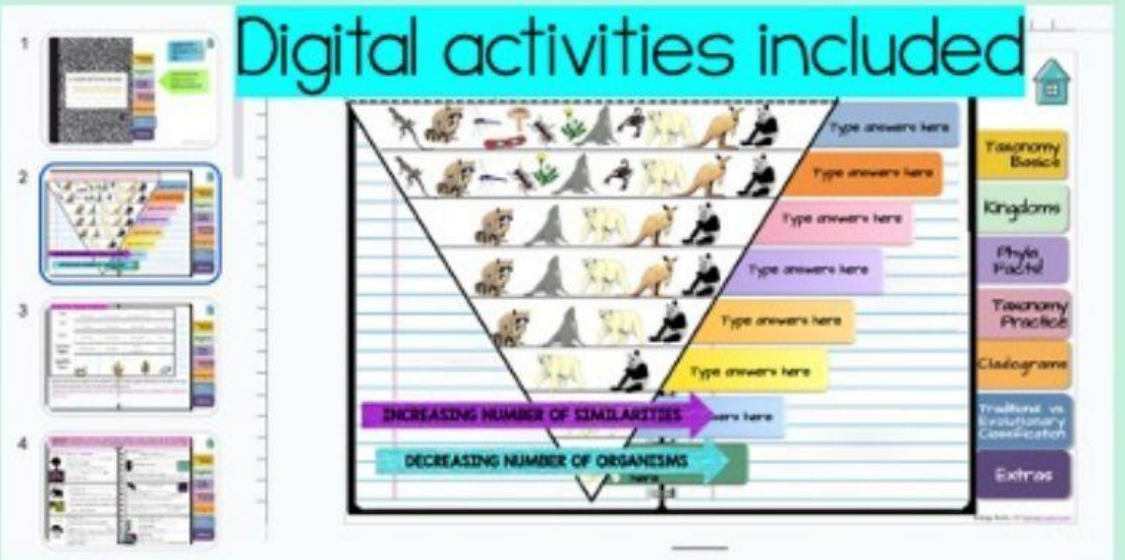
CLASSIFICATION

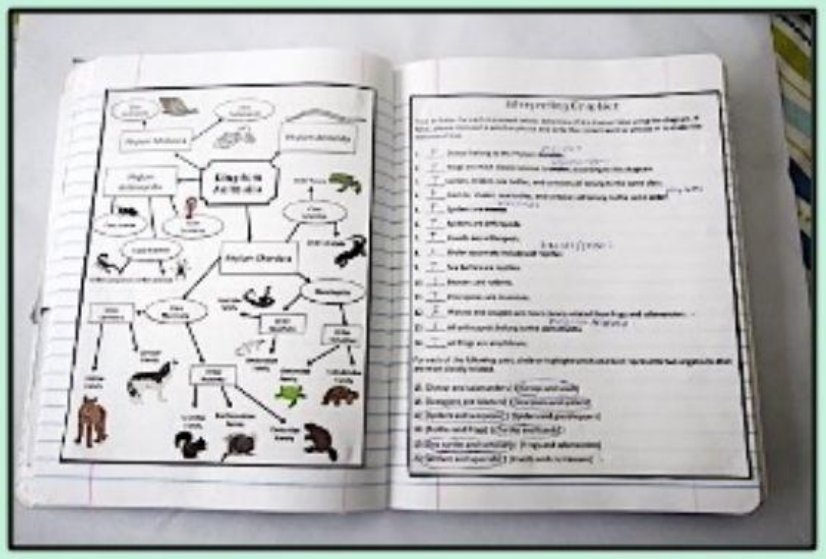
10 activities

Topics: Binomial nomenclature, taxonomy, cladograms, evolutionary trees, DNA relationships

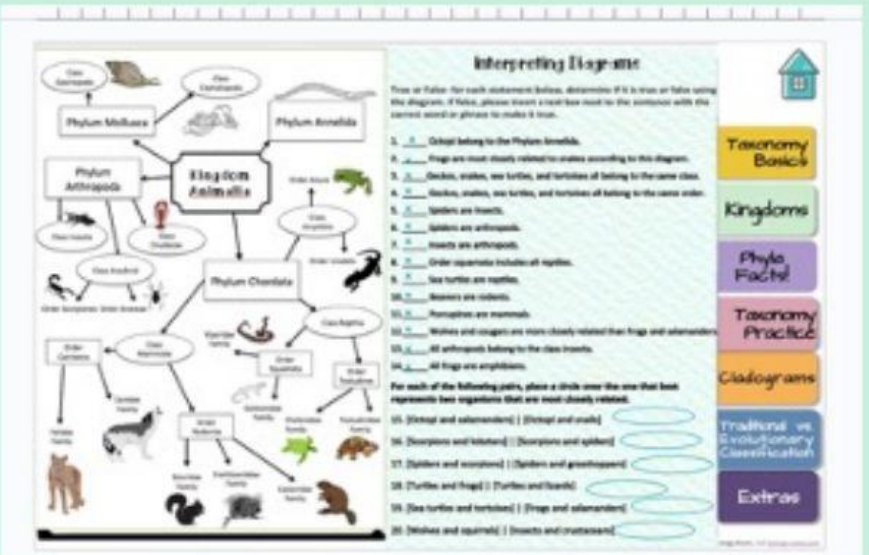


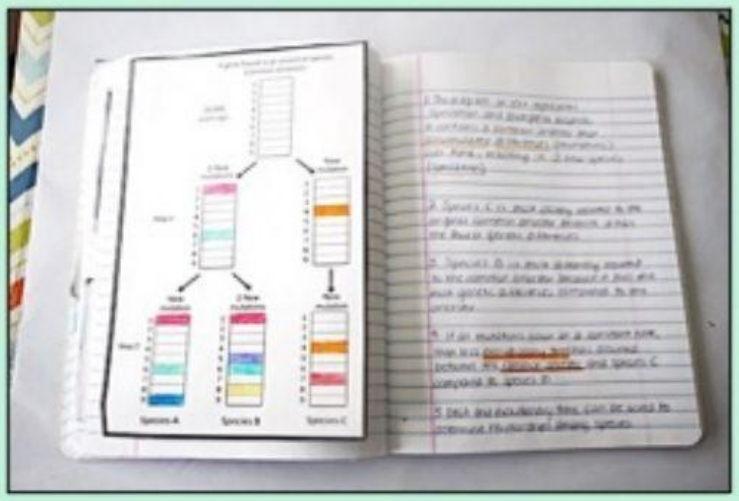


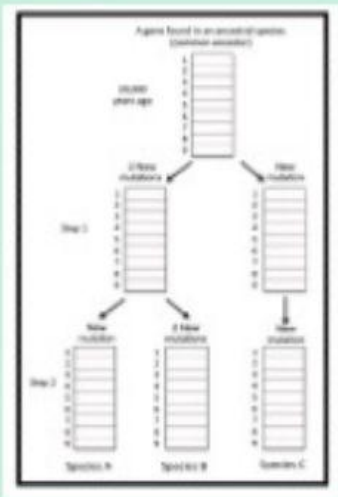


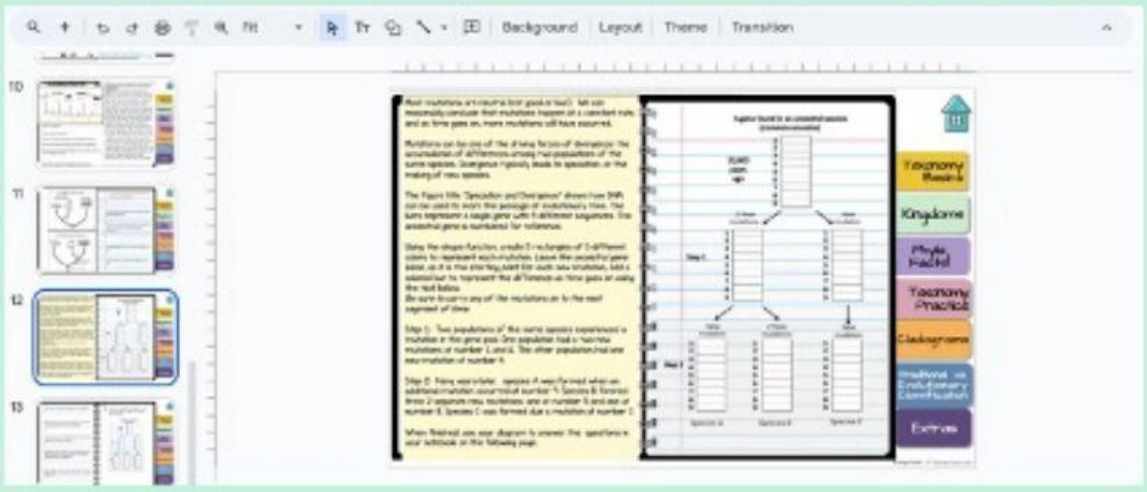








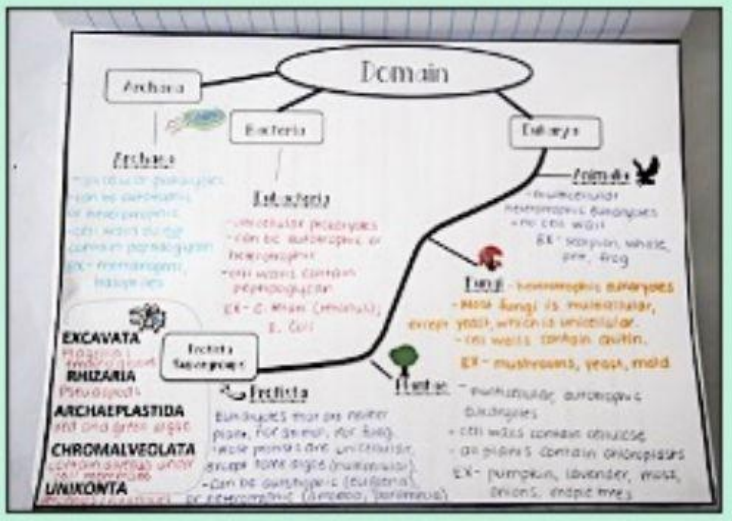


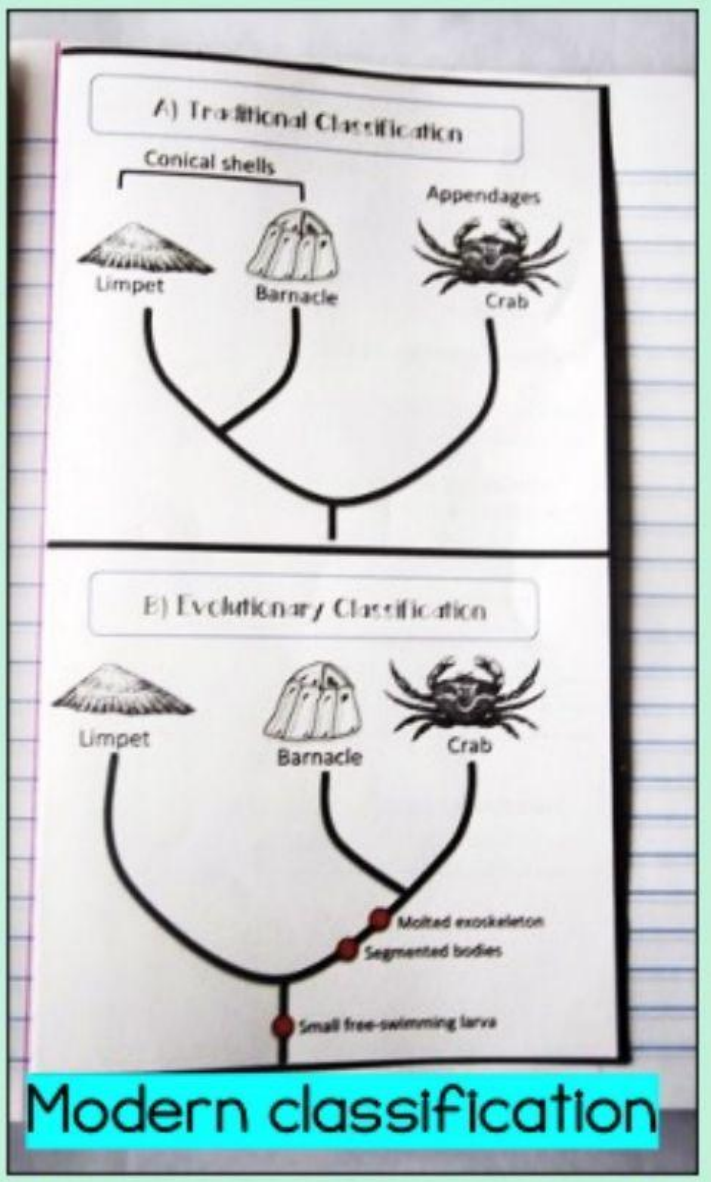


CLASSIFICATION

10 activities

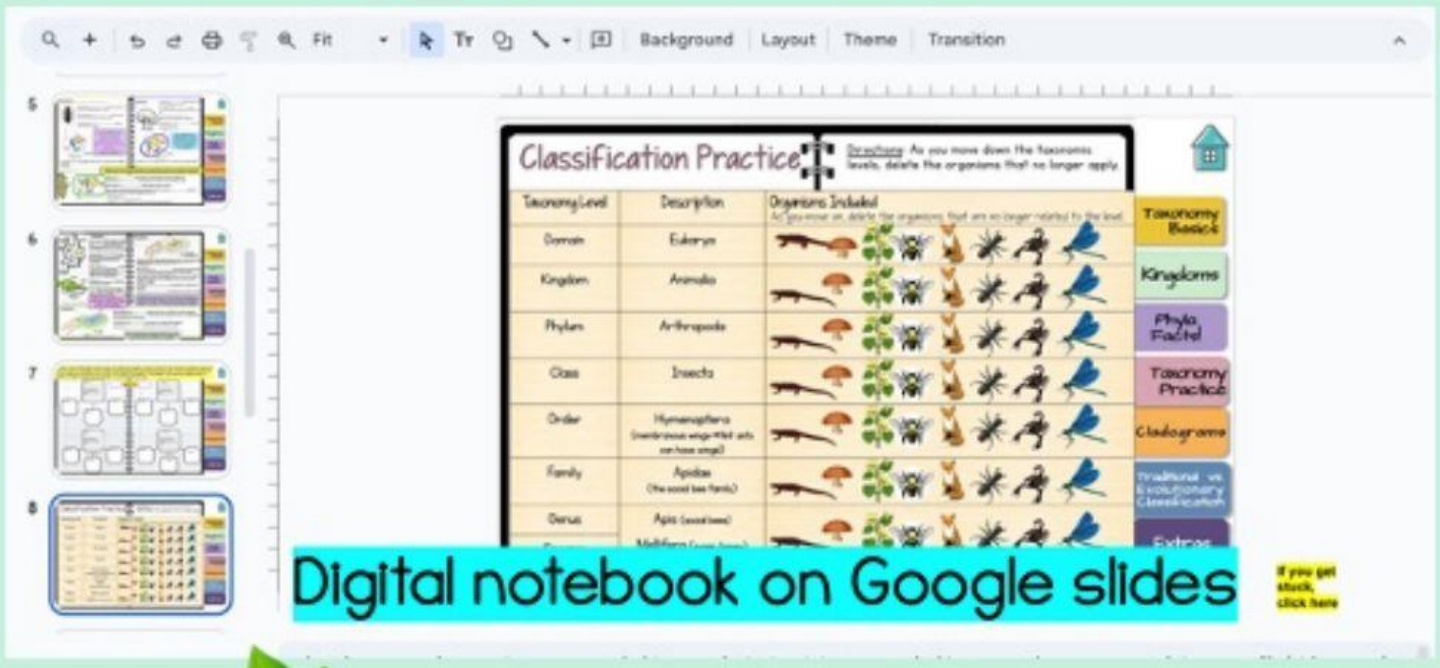
ORDER OF ACTIVITIES	
1	Binomial Nomenclature Practice
2	-Taxonomy Ladder; Kingdom Wheel (choose one or both) -Classification Cards
3	-Optional INB: taxonomy warm up OR Kingdom Warm Up - if you have time you can do both; -Interpreting Diagrams
4	Optional INB: Modern Classification and Molecular Clocks (both advanced)
5	Cladogram Practice





Modern classification

Each topic comes with a suggested order of use. These can be implemented with other lessons and curriculum.



Digital notebook on Google slides

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