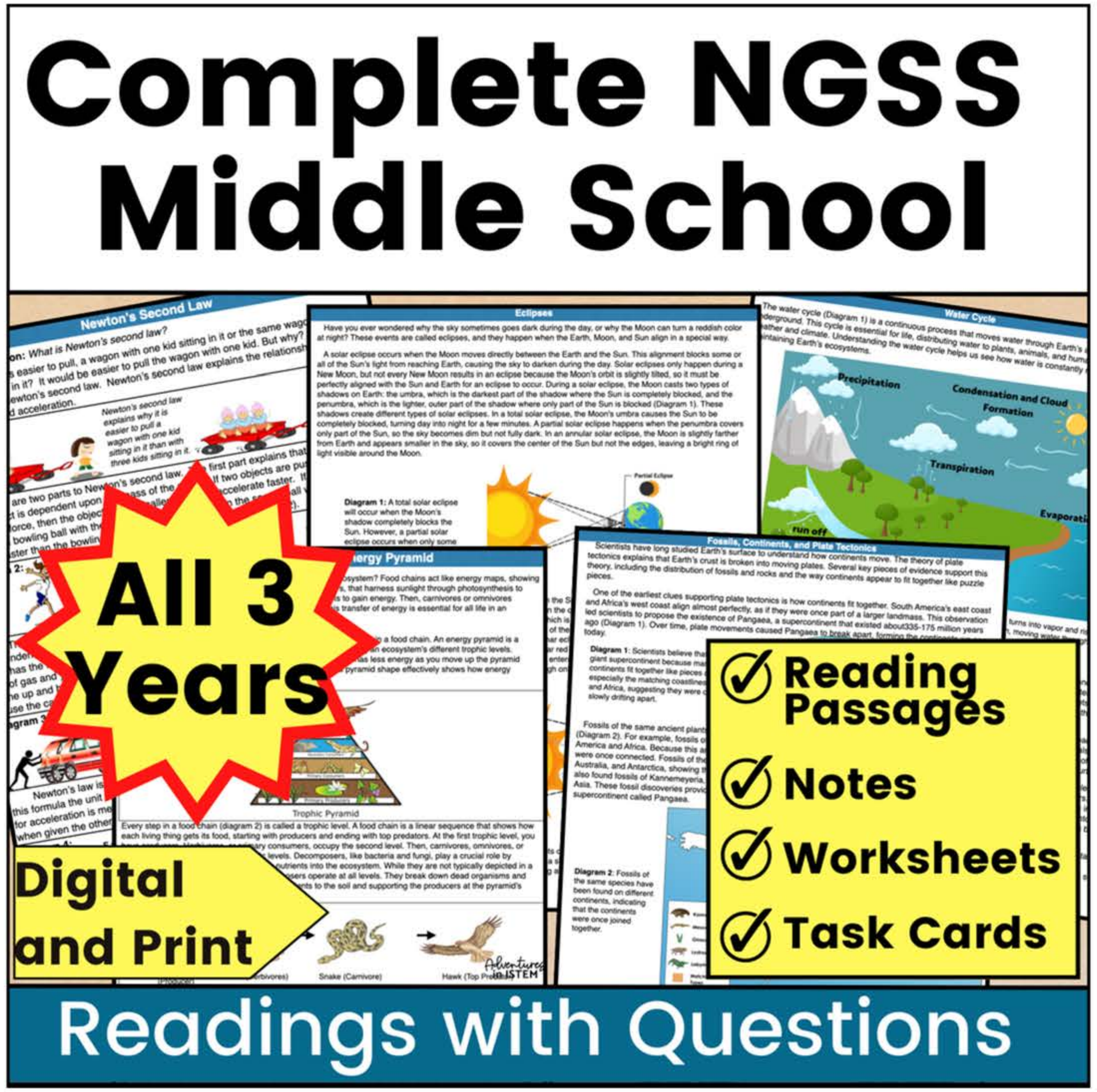
NGSS MIDDLE SCHOOL LIFE, PHYSICAL, EARTH Science Reading



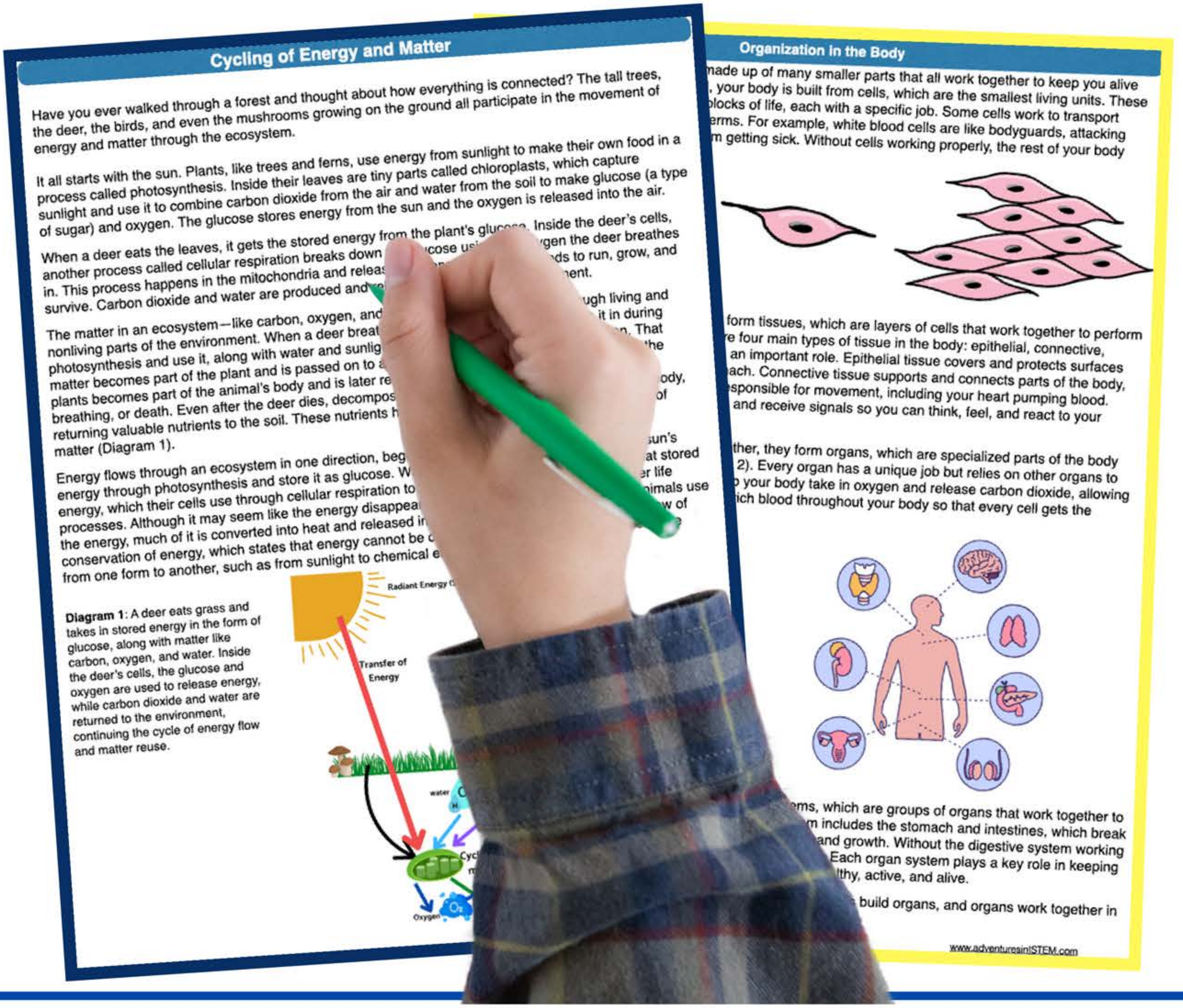
Scroll Through

To take a peek inside!

Help students learn about <u>Life Science, Earth Science, and Physical Science</u> and test their comprehension with these easy to read science reading passages.

NGSS MIDDLE SCHOOL LIFE, PHYSICAL, EARTH

Science Reading



Units Included: Life Science

- **Molecules to organisms: cells, human body, animal behavior, photosynthesis and cellular respiration**
- **Ecosystems: Biodiversity, types of ecosystems, competition in ecosystems, energy flow through ecosystems**
- **Genetics: asexual and sexual reproduction and mutations**
- **Evolution: evidence of evolution, natural selection, artifical selection**

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Science Reading

Units Included: Earth Science

- **Earth's place in the universe: role of gravity, Earth, Moon, Sun system, scale of objects in the Solar System, Geologic timescale**
- **Earth's systems: geoscience processes, global winds, ocean currents, plate tectonics, changes to Earth's surface, rock cycle, water cycle, weather**
- **Earth and human activity: natural hazards, impact of the human population, human impact on nonrenewable resources, human impact on climate change, global warming**

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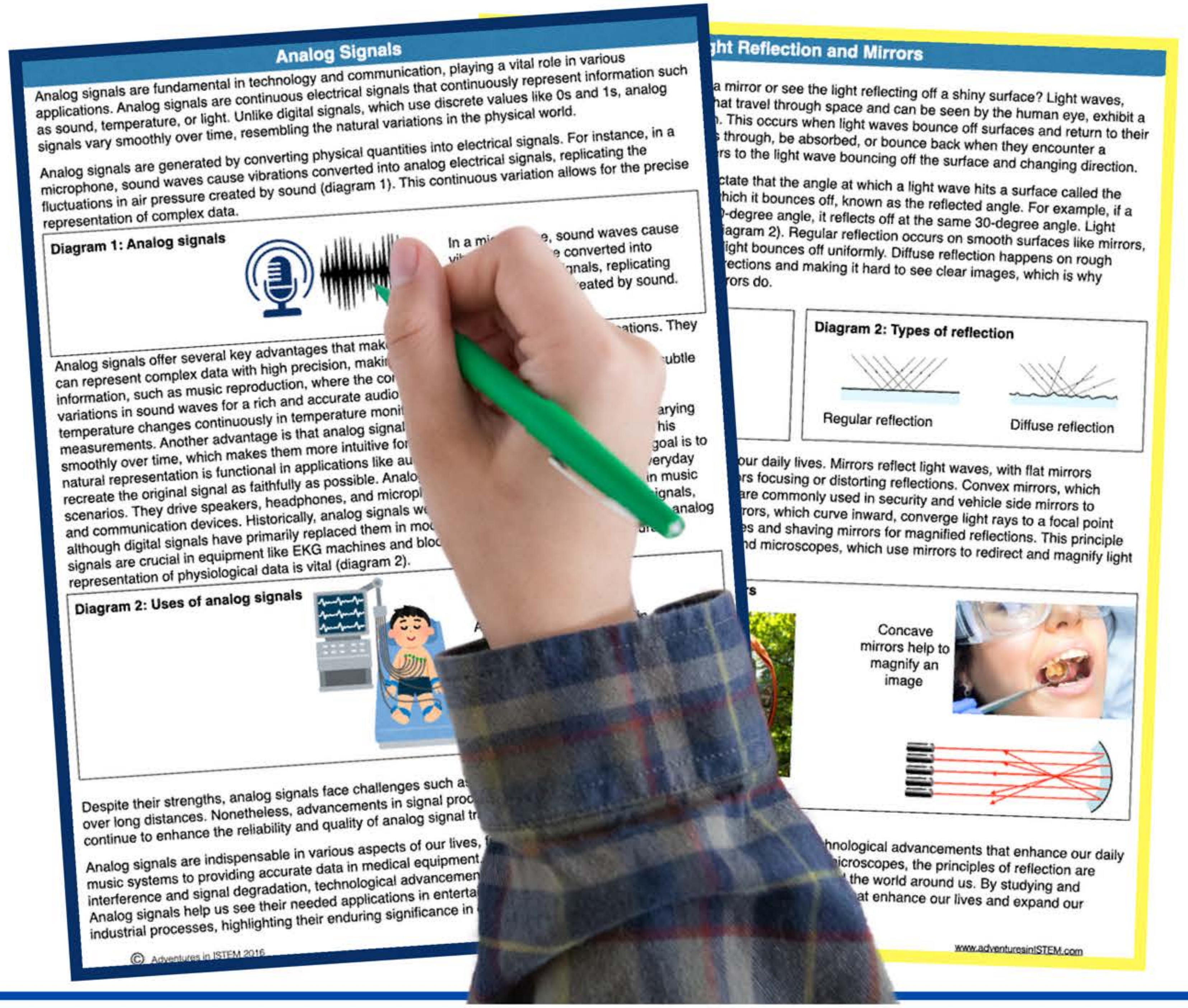
Science Reading



Units Included: Physical Science

- **Matter and it's interactions: Atoms, Compounds, Chemical Reactions, Conservation of matter, States of matter, phase changes, gas laws, thermal energy transfer, synthetic materials**
- **Motion and Stability: Newton's 1st law, Newton's 2nd law, Newton's 3rd law, Types of forces including gravity, electric forces, magnetic forces, friction, electromagnetism**
- **Energy: Mechanical energy with potential and kinetic energy, conservation of energy, thermal energy**
- **Waves and Technology: Types of waves, properties of waves, light and sound waves, analog and digital signals**

Resource includes

- 131 Reading Passages
- 131 Note-taking guides
- 131 Comprehension Worksheets
- 164 Task cards
- Answer key
- Digital version

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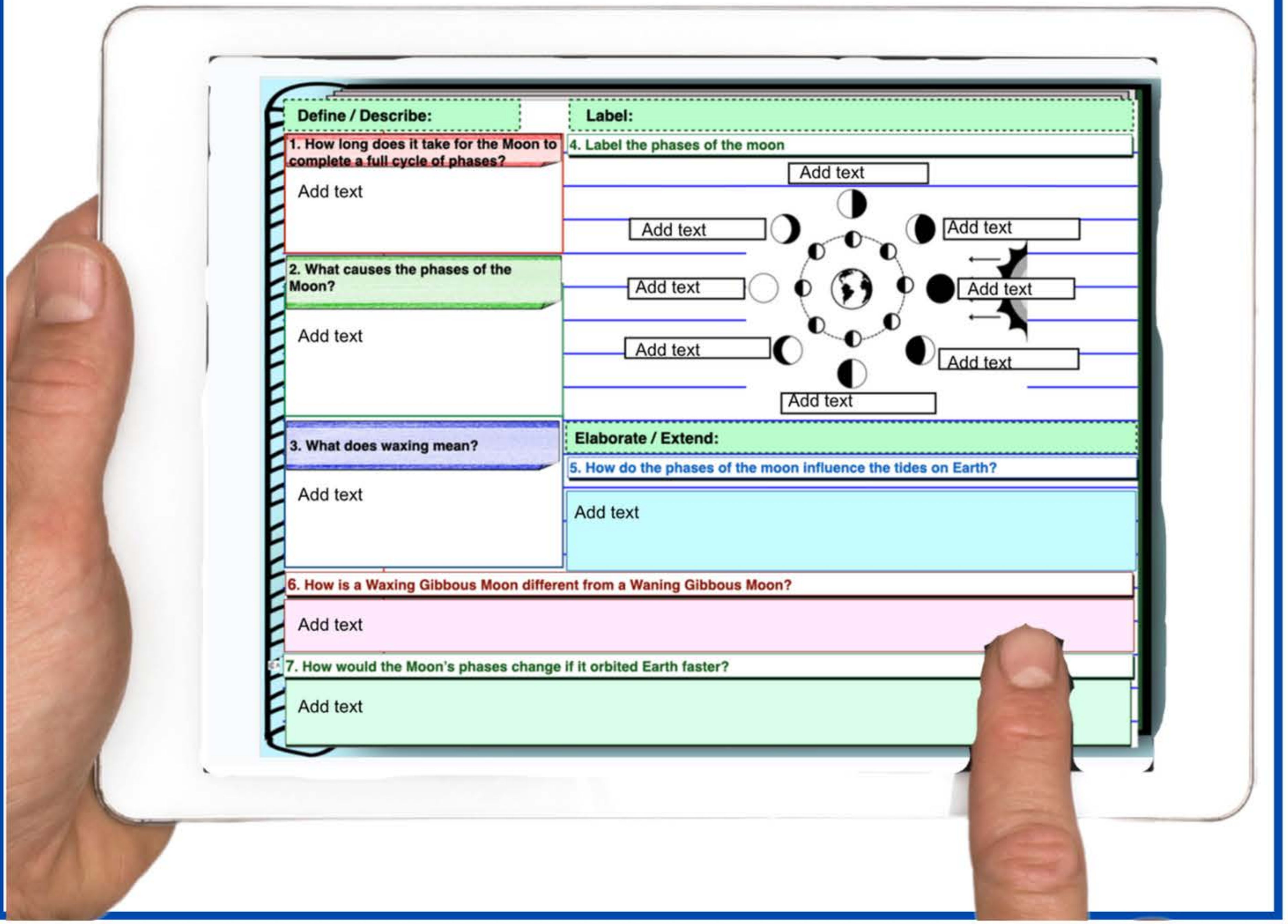
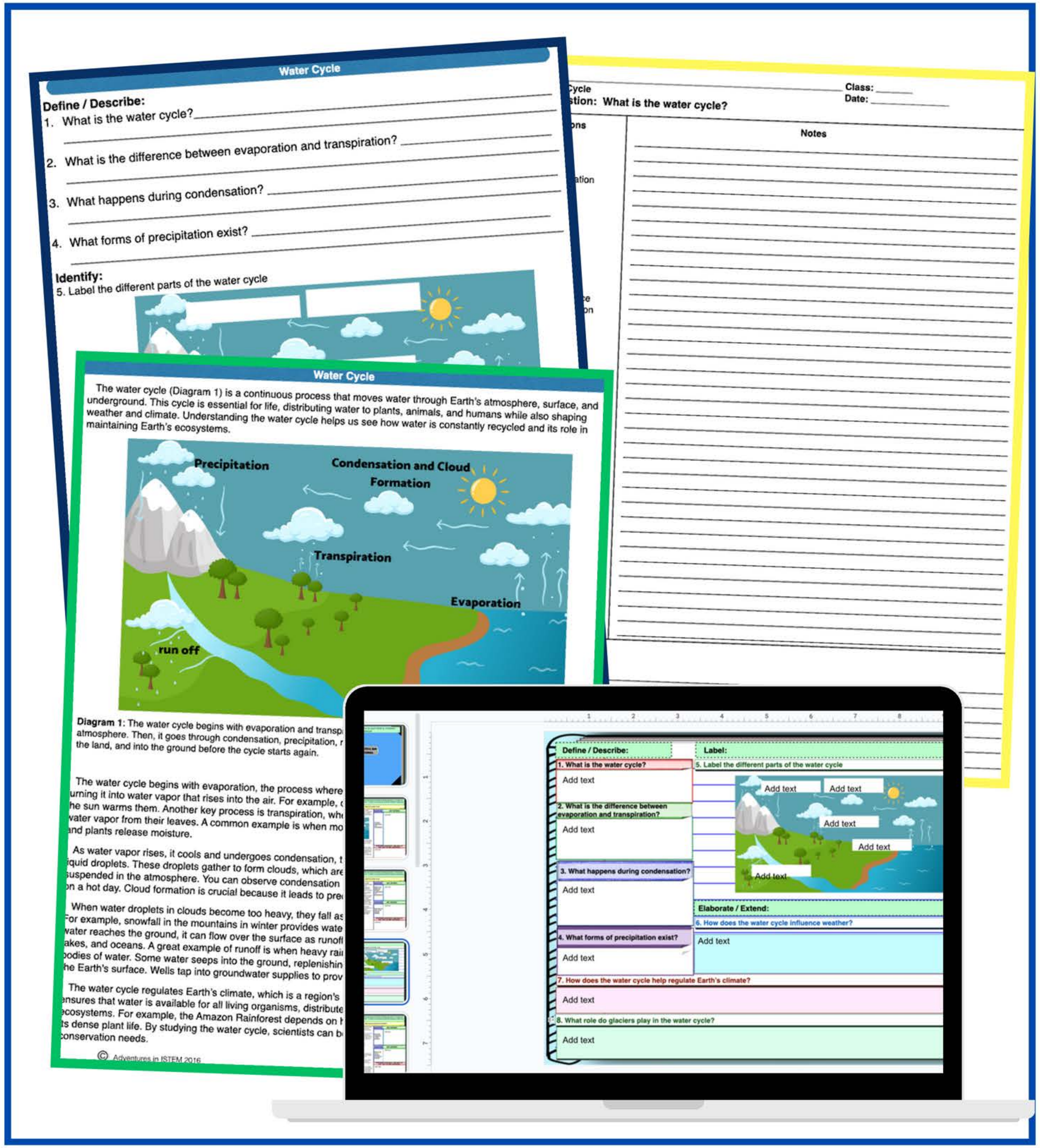
Science Reading



Each topic *includes*

- One to two page science reading passage to teach the topic.
- Notes with questions to guide their reading
- Comprehension worksheets to review the information using multiple levels of questioning
- Task cards to extend their learning and for extra review
- Answer keys to easily check the student knowledge
- Digital version for more flexibility on how to use the lesson
- Lesson Design to help you differentiate the lesson in your classroom



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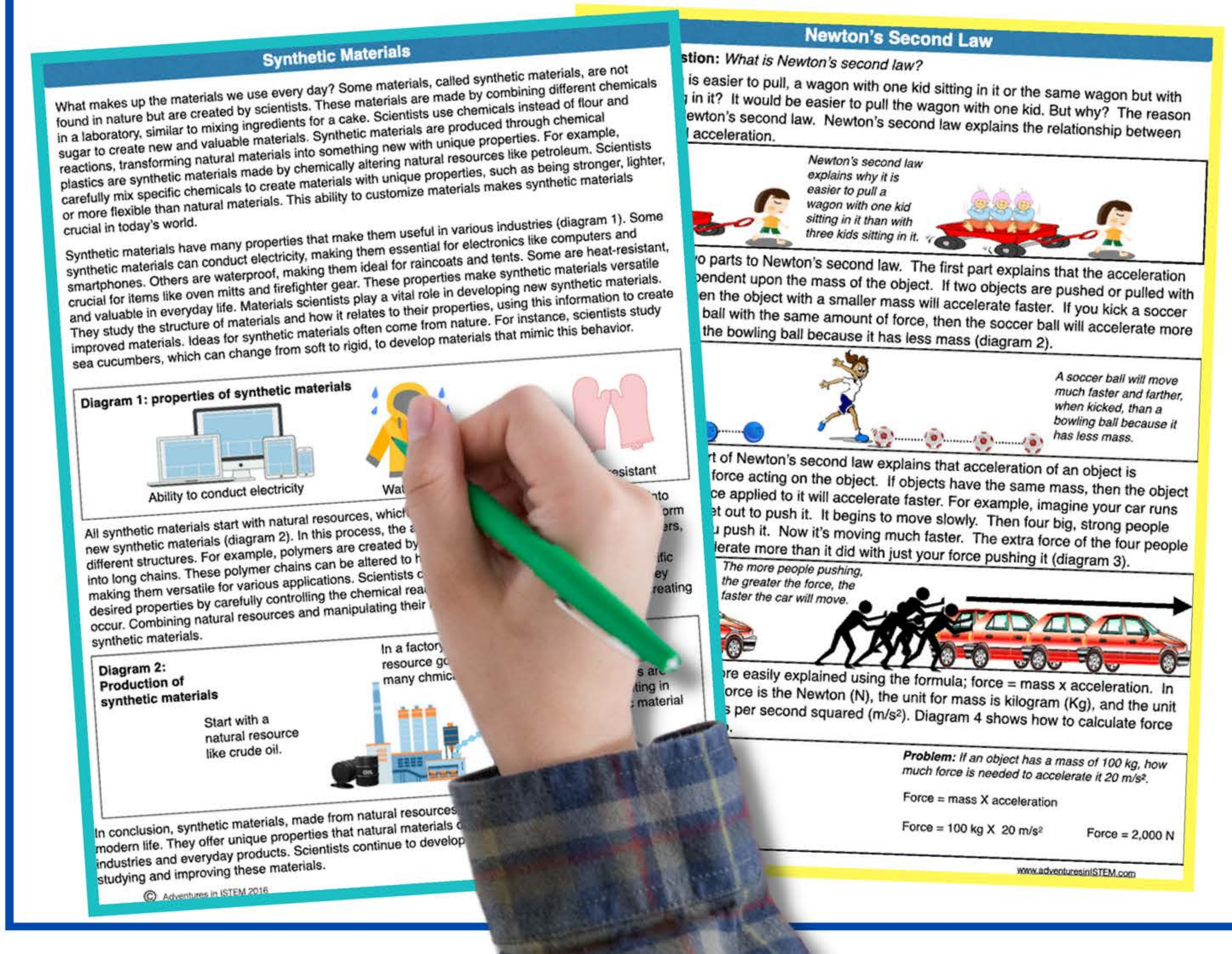
Science Reading



What Are *students* Doing?

- ☑ **Marking the text**
- ☑ **Filling in the guided note-taking template**
- ☑ **Reviewing and applying their knowledge**
- ☑ **Reinforcing their understanding**

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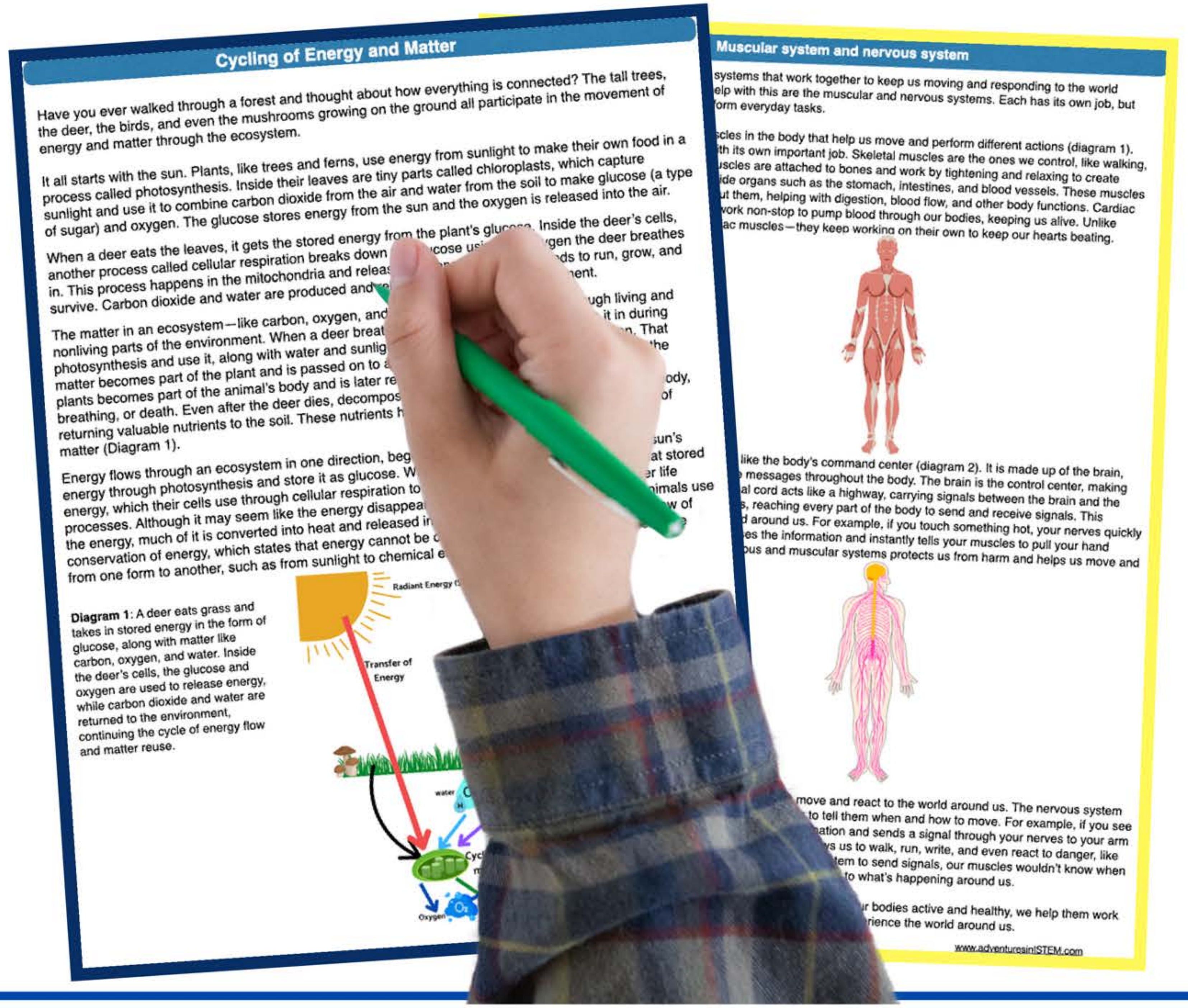
Science Reading



Different ways to use the *science readings*

- ✓ Substitute plan on days you will be out
- ✓ Introduction of the material at the beginning of the unit
- ✓ During the explain phase of the 5E model
- ✓ As part of a science station
- ✓ For reteach to reinforcing their understanding
- ✓ During the review at the end of the unit

Why? SCIENCE READING PASSAGES?

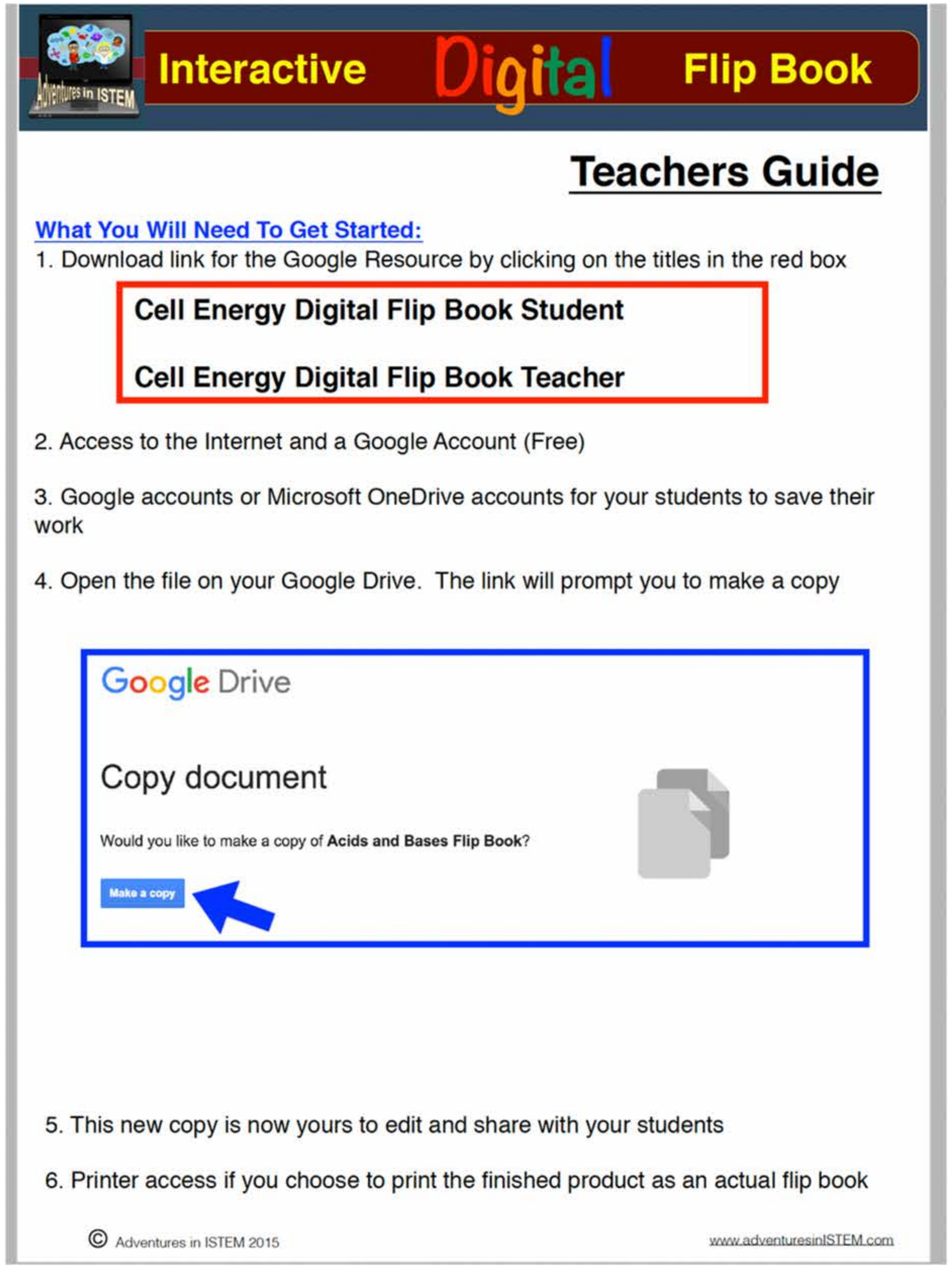
- Increase science literacy in the classroom
- Simple passages to help students comprehend the information
- Note-taking template to help students interact with the reading
- Worksheets to review and apply their knowledge
- Reinforcement task cards to continue their understanding

★★★★★

"My students and I absolutely loved this resource!!! The way this was planned out with the reading, diagrams, and questions was perfect. I mainly used this with my students but they used it one day with a substitute and they wrote to tell me how great it was! (I think they thought I created it so I have to tell them otherwise!)" - Nicole

HOW TO USE THE RESOURCE IN 3 simple steps

1. Print the PDF version, make copies, and hand out to students
2. Use the digital version by clicking the titles in the RED BOX to make your own copy (found at the end of the PDF)
3. Share the resource with your students using your favorite LMS (Google Classroom, Powerschool (schoology), Canva...)


Interactive Digital Flip Book

Teachers Guide

What You Will Need To Get Started:

1. Download link for the Google Resource by clicking on the titles in the red box

Cell Energy Digital Flip Book Student

Cell Energy Digital Flip Book Teacher

2. Access to the Internet and a Google Account (Free)

3. Google accounts or Microsoft OneDrive accounts for your students to save their work

4. Open the file on your Google Drive. The link will prompt you to make a copy

Google Drive

Copy document

Would you like to make a copy of **Acids and Bases Flip Book**?

Make a copy

5. This new copy is now yours to edit and share with your students

6. Printer access if you choose to print the finished product as an actual flip book

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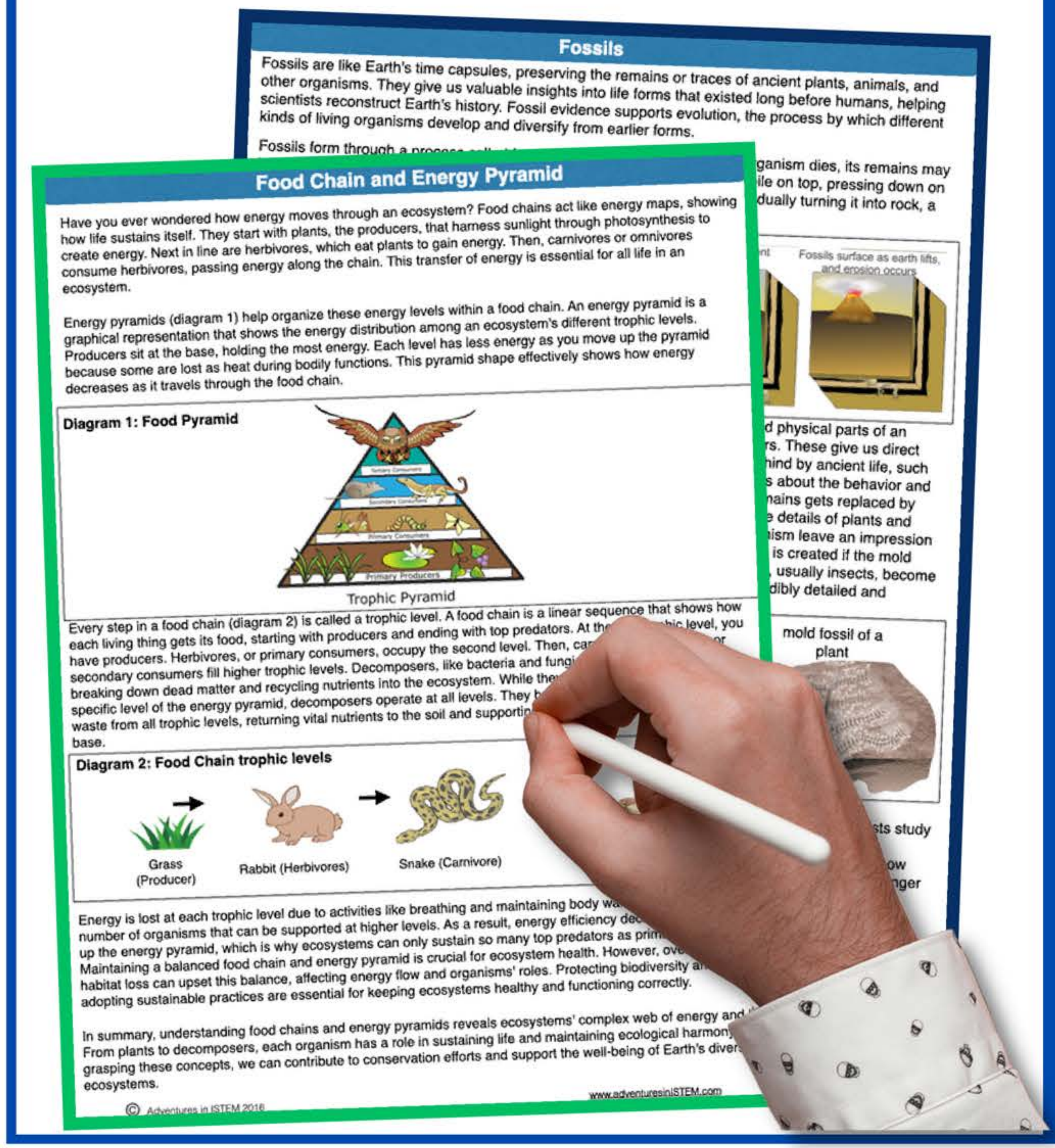
Science Reading



Check out what teachers just like you have said about these readings:

My students really enjoyed this one. It broke down the concepts very easily in language that my students could understand. - Breanna

My students and I absolutely loved this resource!!! The way this was planned out with the reading, diagrams, and questions was perfect. I mainly used this with my students but they used it one day with a substitute and they wrote to tell me how great it was! (I think they thought I created it so I have to tell them otherwise!) - Nicole

Great resource that made this topic easier for my students. - Cynthia

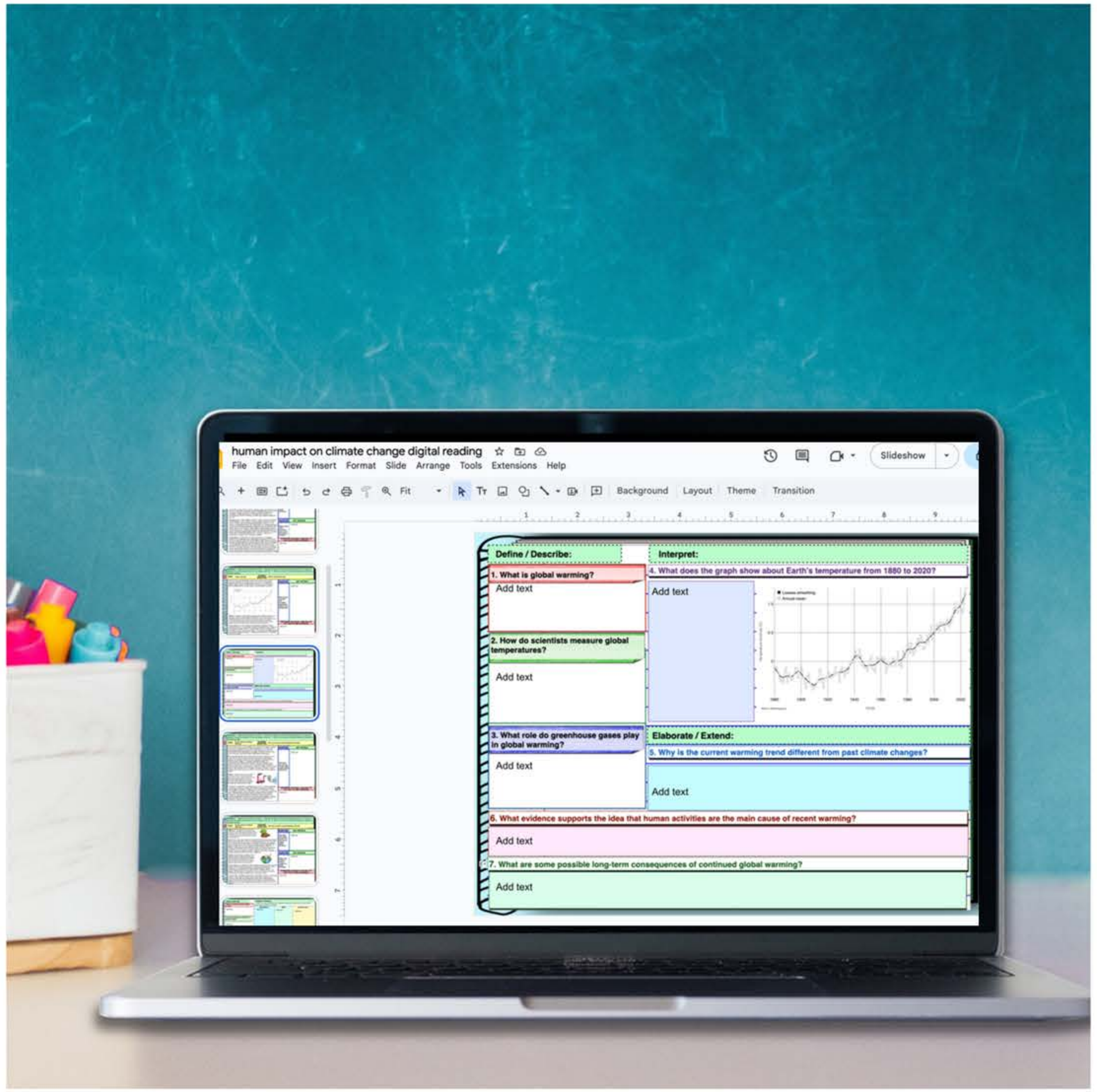
Get Instant Access

1. Add this resource to your cart

Add one to cart

2. Check out securely
3. Download right away

Download



4. Use with your class
5. Leave a review on your My Purchases page to get reward points to spend on new resources!

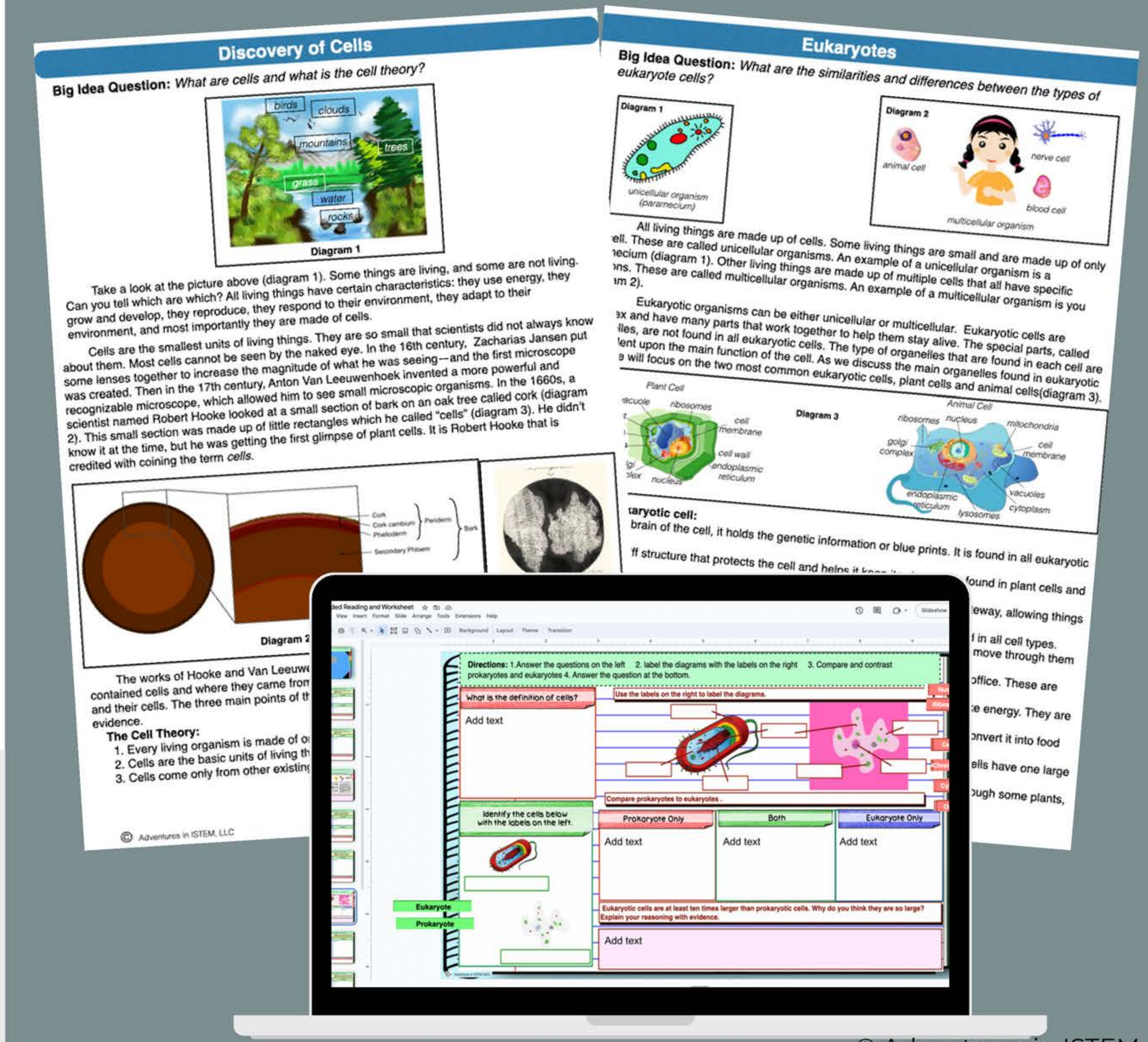
Leave a review

Keep Scrolling For More details about each science reading

Included: Cells Science Reading

Covers

- ✅ Cell theory
- ✅ Prokaryote
- ✅ Eukaryote
- ✅ Plant Cells
- ✅ Animal Cells

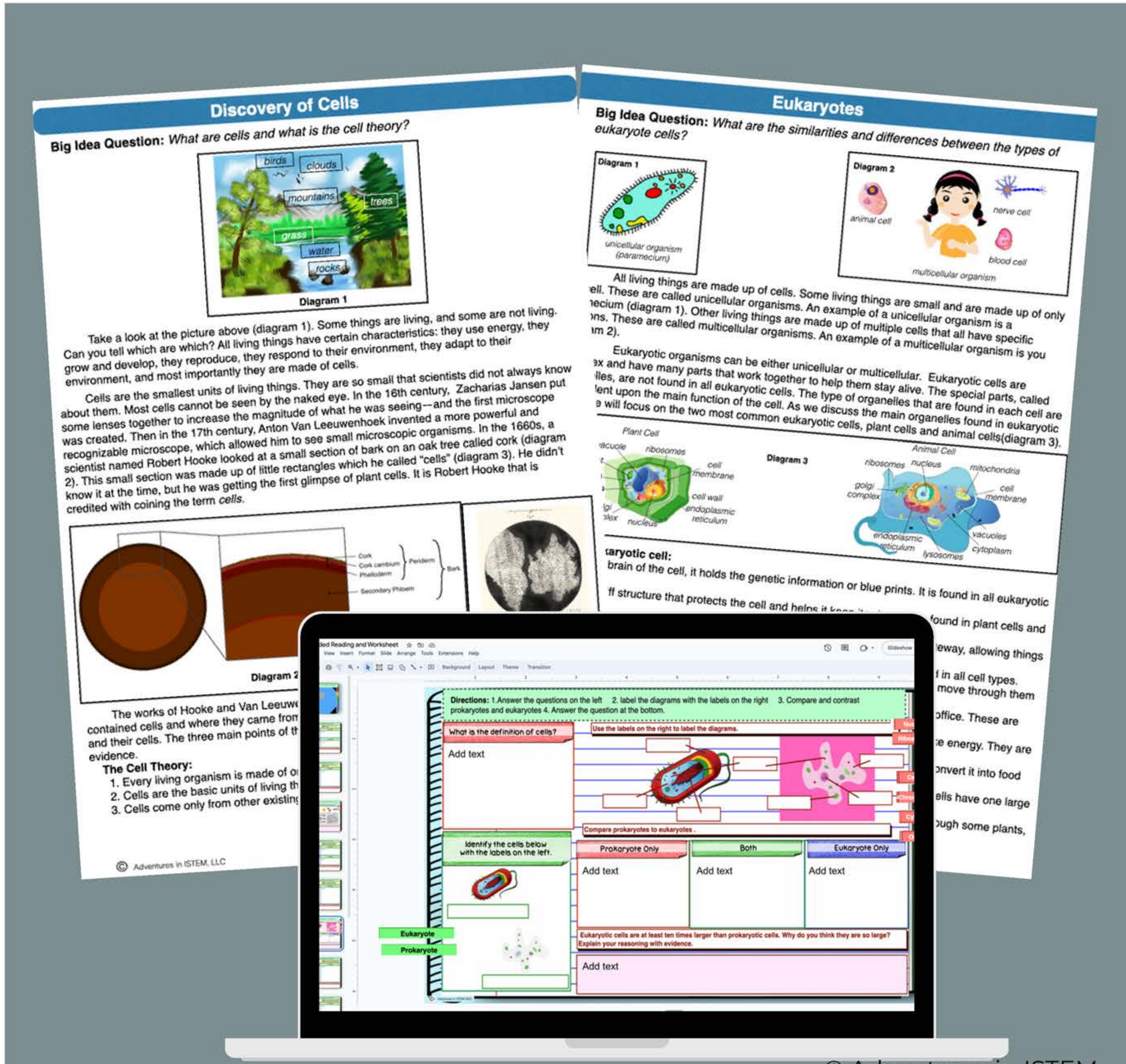


> "My students and I absolutely loved this resource!!! The way this was planned out with the reading, diagrams, and questions was perfect. I mainly used this with my students but they used it one day with a substitute and they wrote to tell me how great it was! (I think they thought I created it so I have to tell them otherwise!)- Nicole"

Included: Human Body Science Reading

Covers

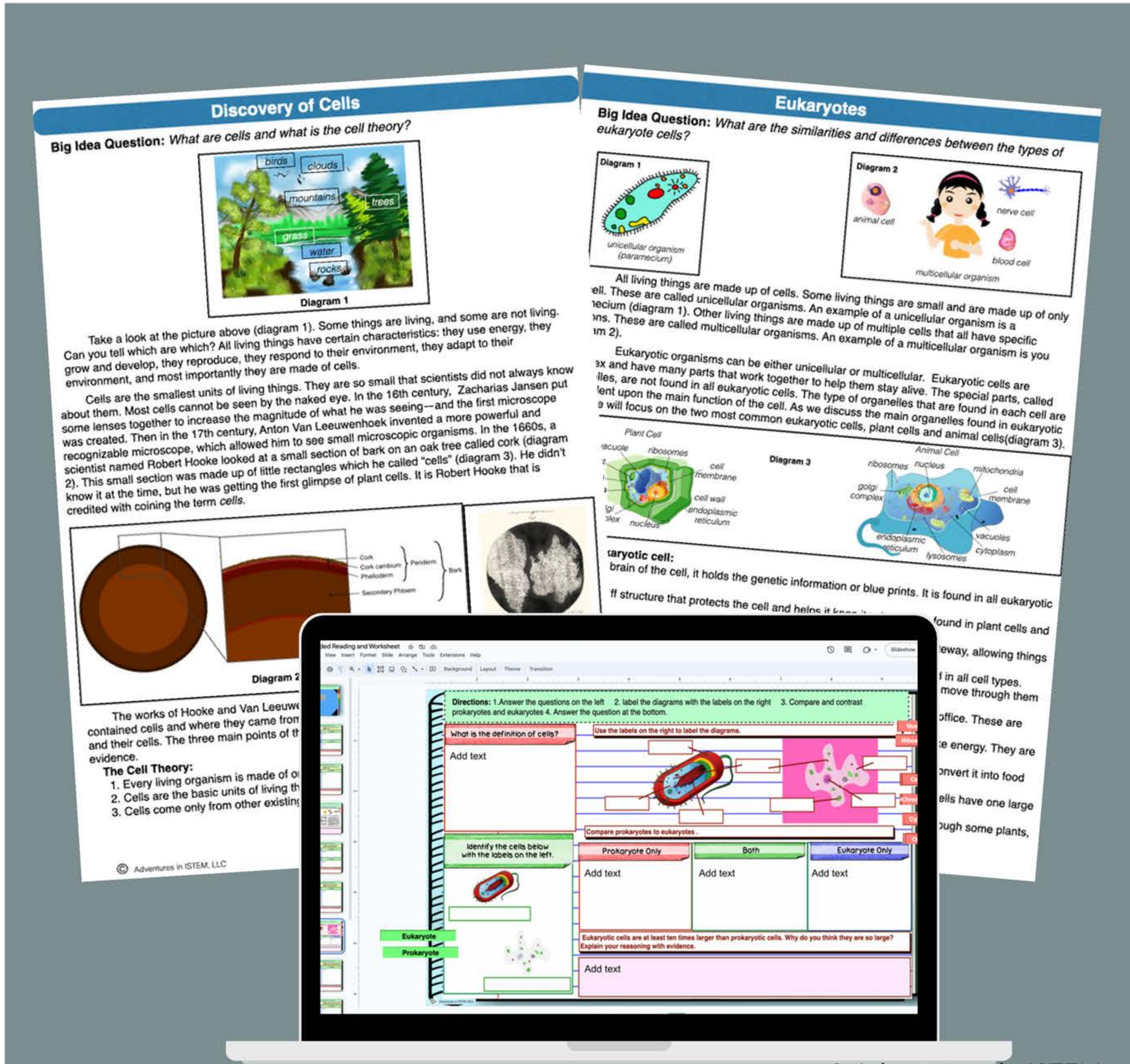
- ✅ organization in the human body
- ✅ circulatory and respiratory systems
- ✅ excretory and digestive systems
- ✅ nervous and muscular systems
- ✅ skeletal and endocrine systems



Included: Animal Behavior and Plant Structures in Reproduction Science Reading

Covers

- ✅ animal behavior and reproduction
- ✅ plant reproduction and structures
- ✅ factors that influence the growth of organisms

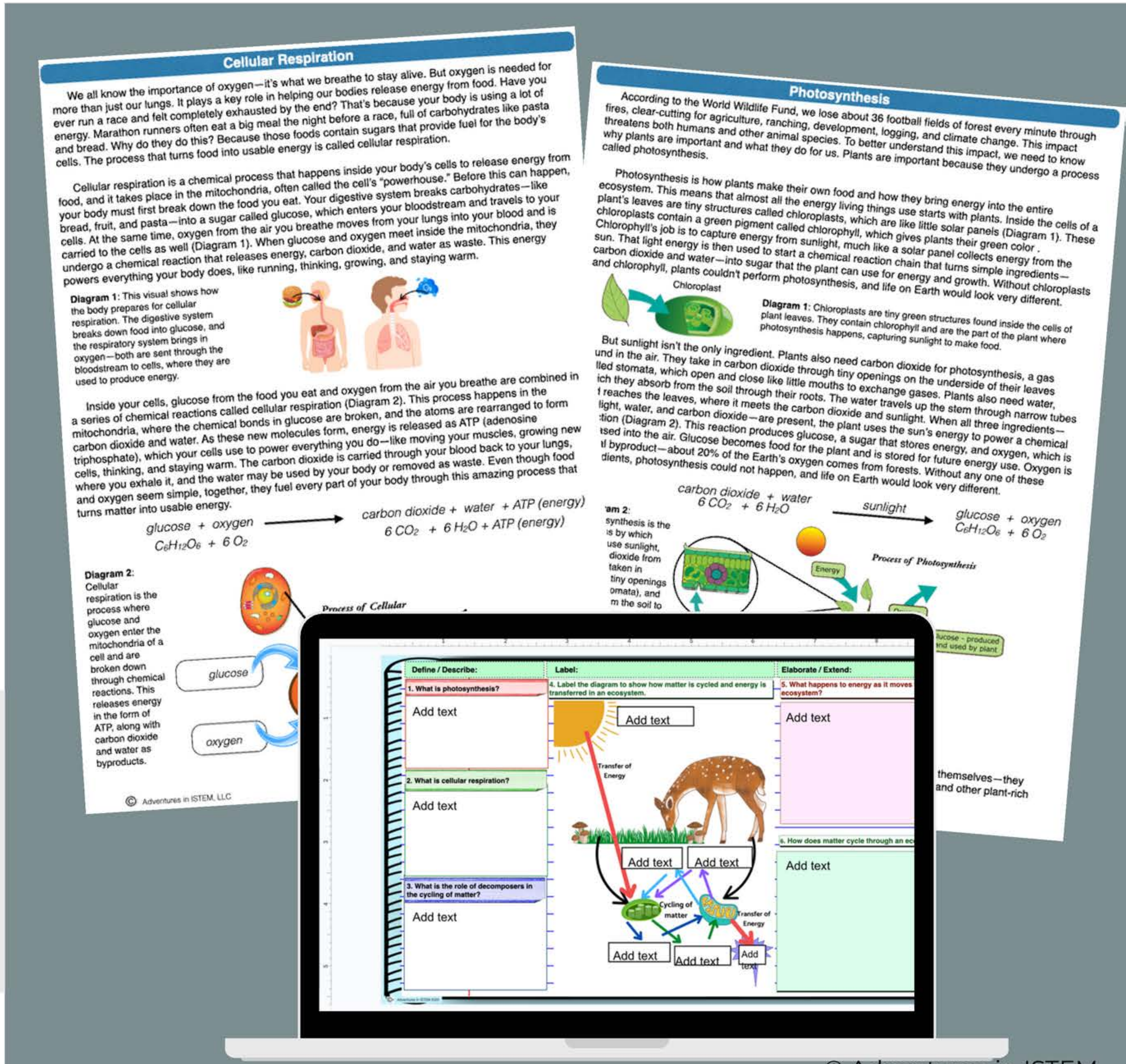


Included: Photosynthesis and Cellular Respiration

Covers

- ✅ Photosynthesis
- ✅ Cellular respiration
- ✅ Cycling of matter and energy

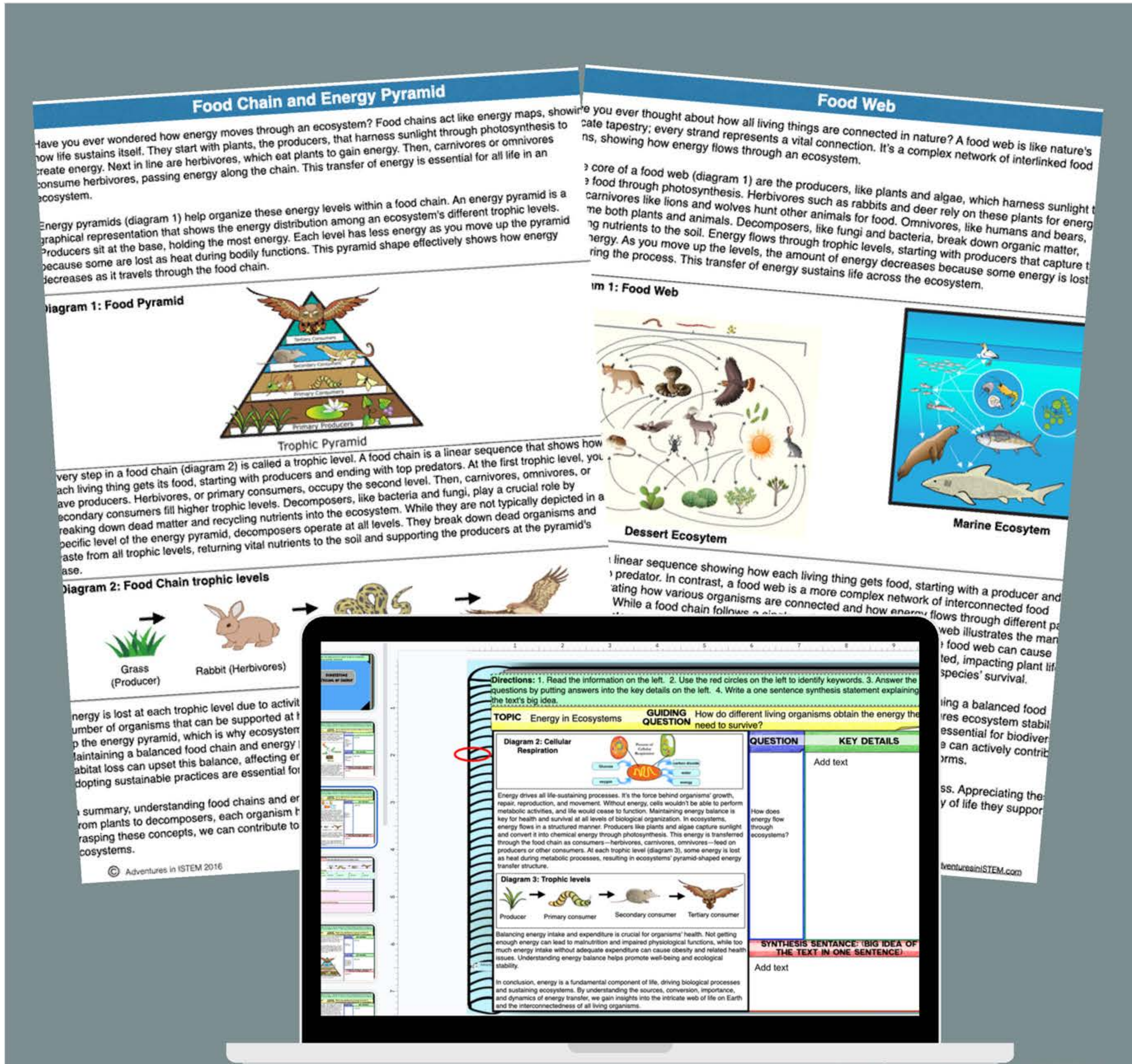
> Our biology teacher and I share a lot of the same students this semester, so finding reading activities I can sprinkle into my English classes is a blessing! We discuss the passages together as a class and talk through any confusion students may have on the science concepts, as well as discussing the writing elements of the passage. Highly recommend!- Laura



Included: Energy Flow (Food Web and Food Chain) Science Reading

Covers

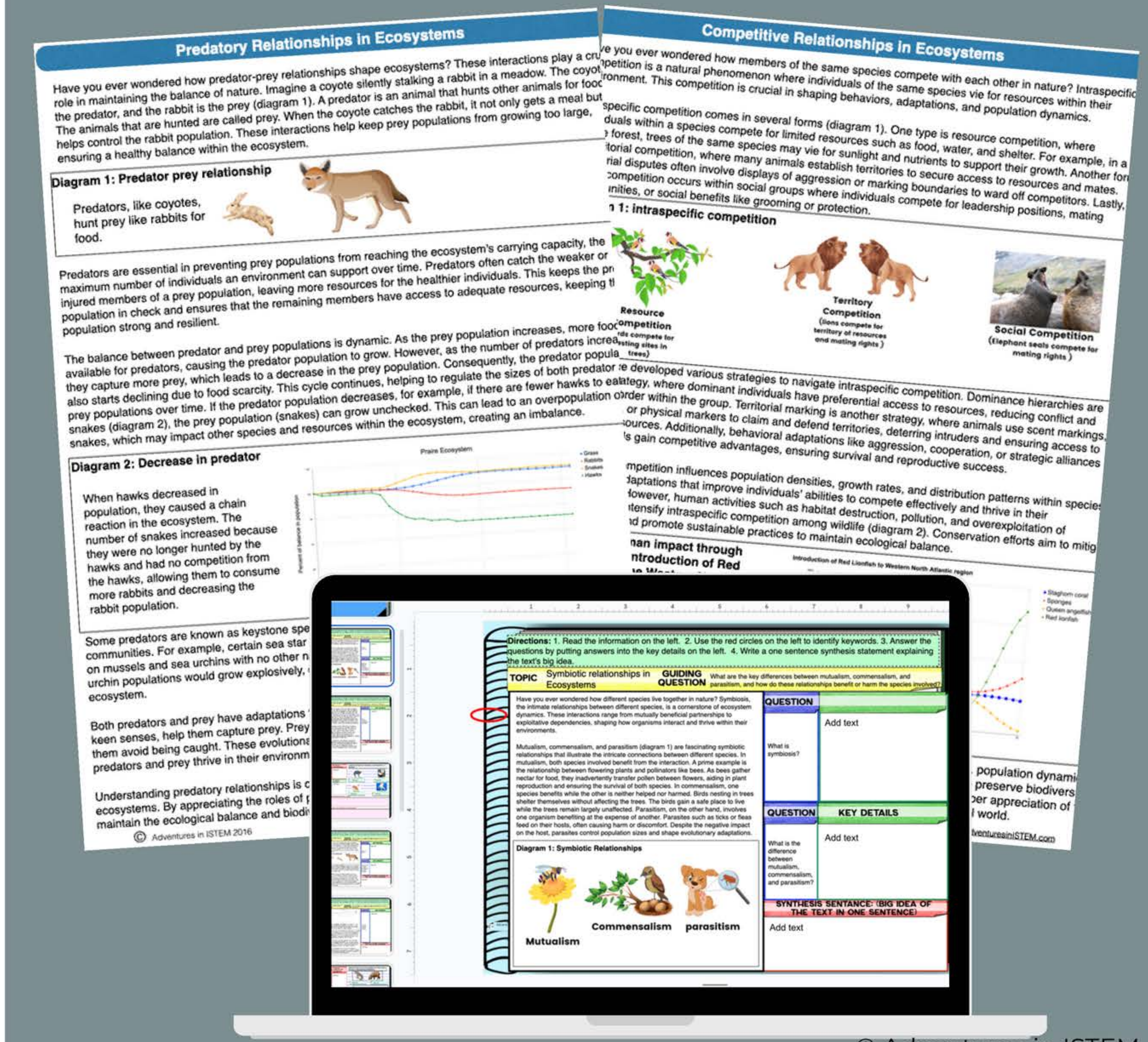
- ✅ energy flow in ecosystems
- ✅ food chains and energy pyramids
- ✅ food webs



Included: Ecosystem Relationships Science Reading

Covers

- ✅ symbiotic relationships in ecosystems
- ✅ competition in ecosystems
- ✅ predatory relationships in ecosystems



Included: Biodiversity Science Reading

Covers

- ✅ importance of biodiversity
- ✅ threats to biodiversity
- ✅ biodiversity in ecosystems

Included: Types of Ecosystems Science Reading

Covers

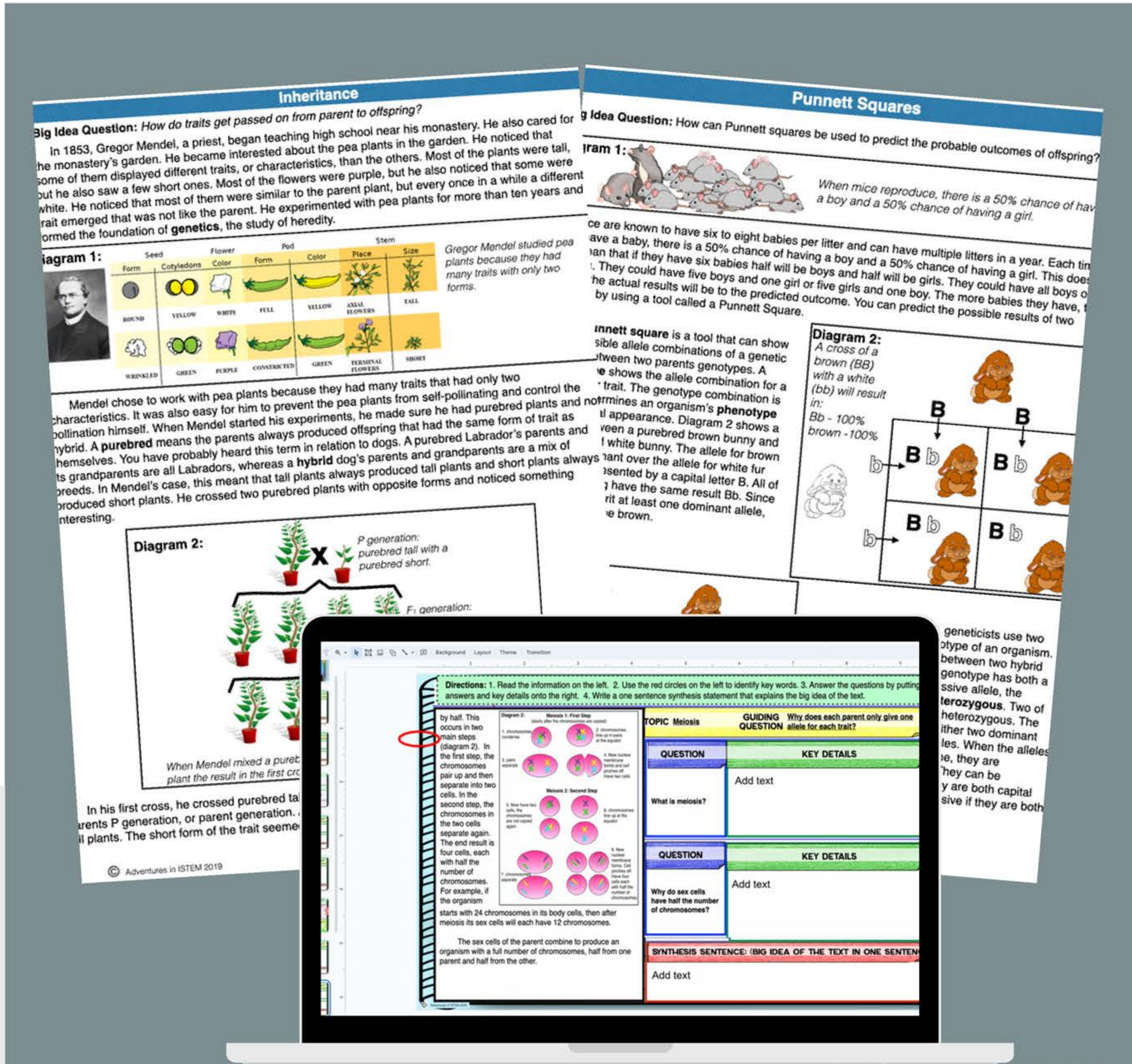
- ✅ terrestrial ecosystems
- ✅ freshwater ecosystems
- ✅ aquatic ecosystems

Included: Genetics Science Reading

Covers

- ✅ Mendel
- ✅ heredity
- ✅ Inheritance of traits
- ✅ Punnett squares
- ✅ Dominant and recessive traits
- ✅ Phenotypes and genotypes
- ✅ Meiosis

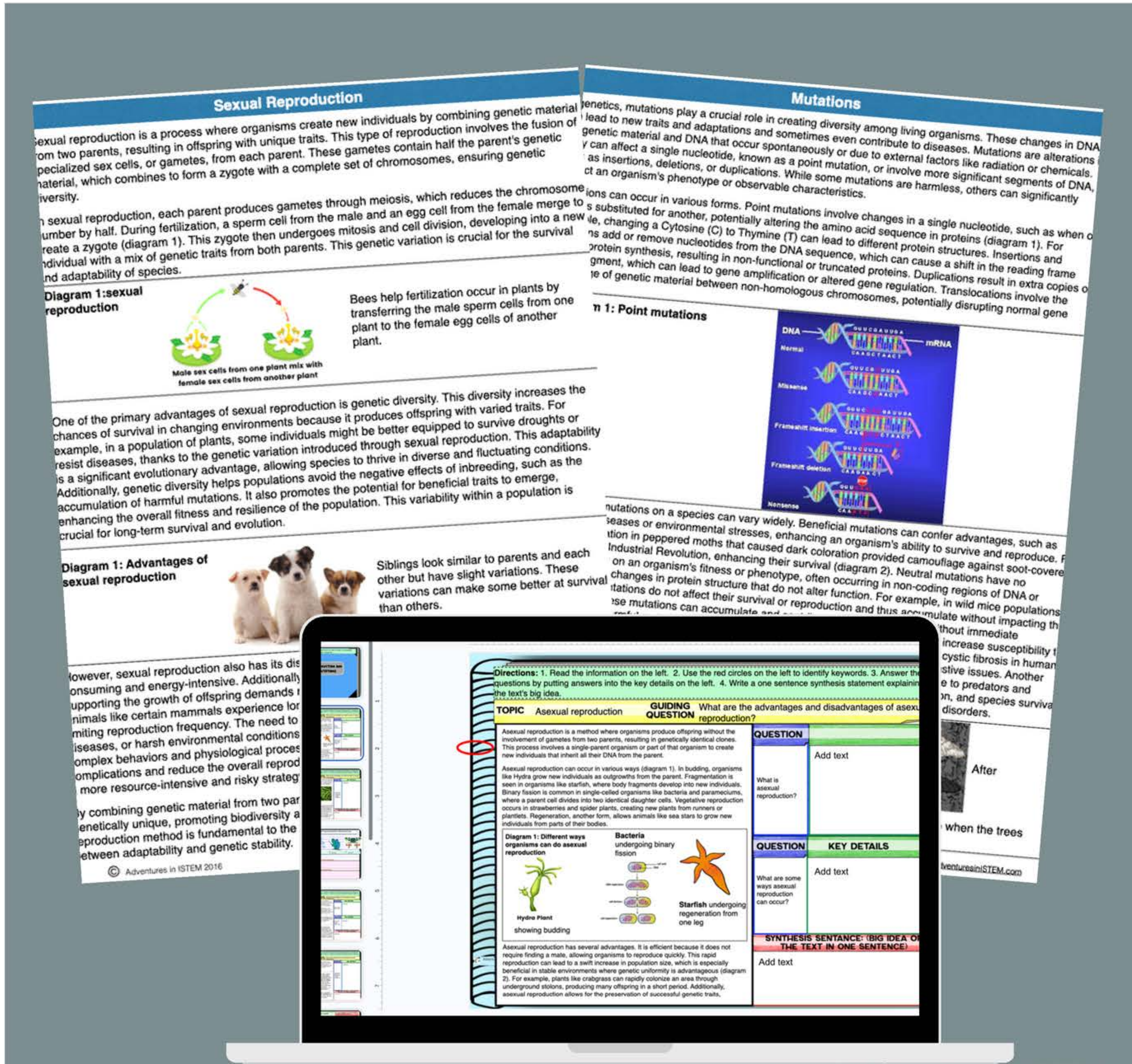
> “It took my students a few days to complete, but it was exactly what we needed to break the topic down.- Learning with a cup of coffee”



Included: Reproduction and mutations Science Reading

Covers

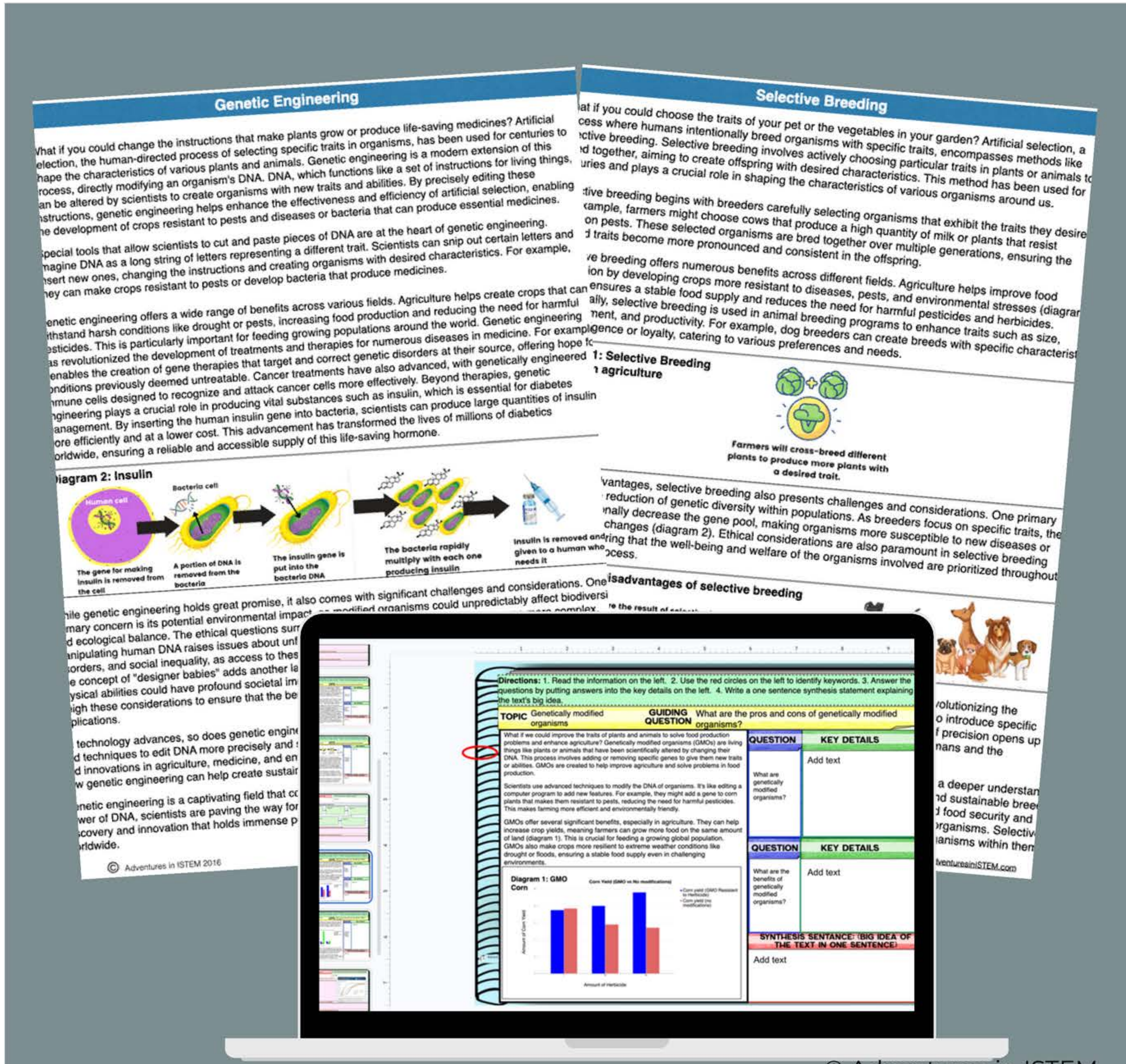
- ✅ asexual reproduction
- ✅ sexual reproduction
- ✅ mutations



Included: Artificial Selection Science Reading

Covers

- ✅ selective breeding
- ✅ genetic engineering
- ✅ genetically modified organisms

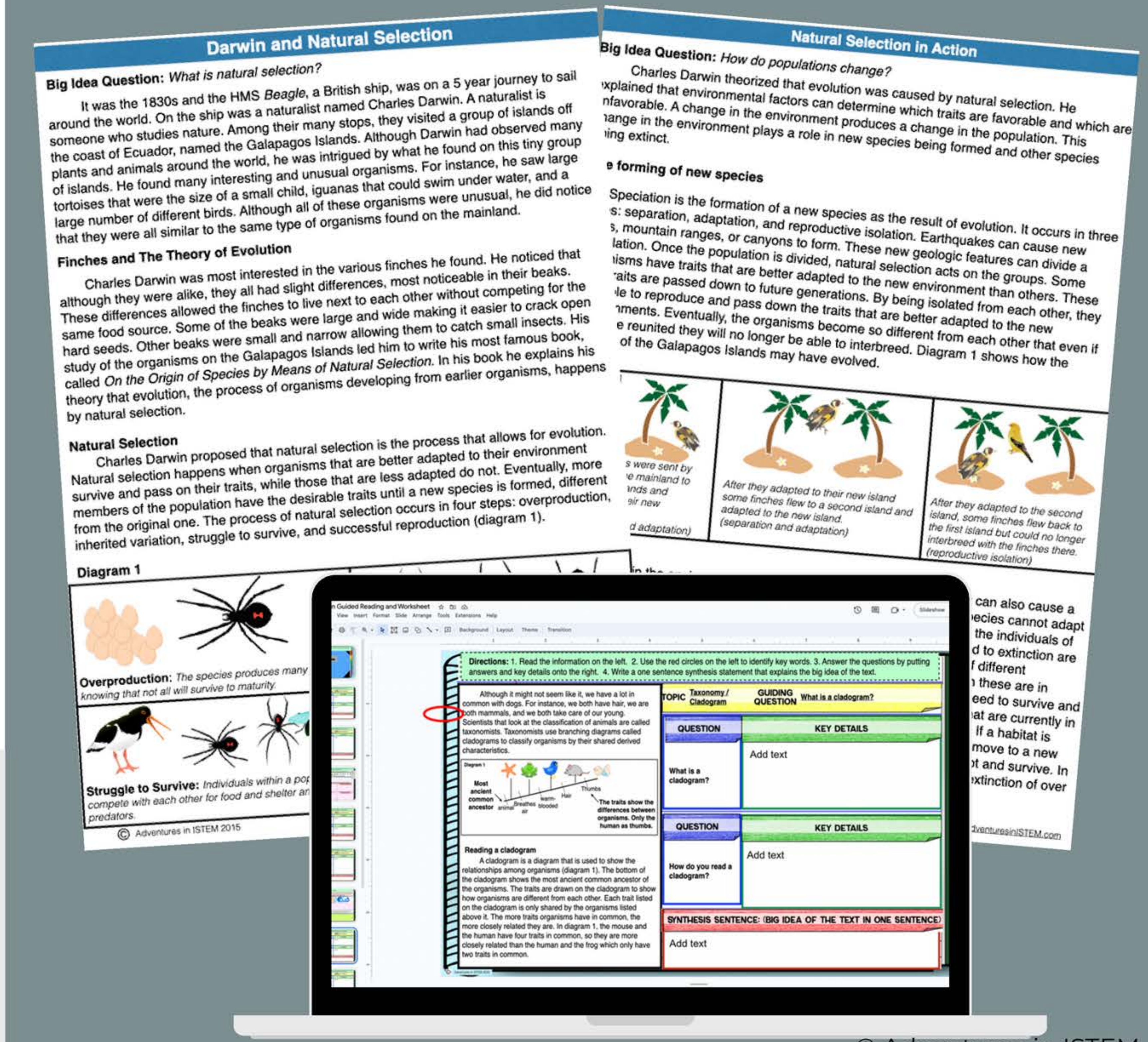


Included: Natural Selection Science Reading

Covers

- ✅ Darwin
- ✅ natural selection
- ✅ Evolution
- ✅ Speciation
- ✅ Extinction
- ✅ Taxonomy
- ✅ Cladograms

> "Good resource to differentiate reading passages for students. A great time saver as well.- Julie"



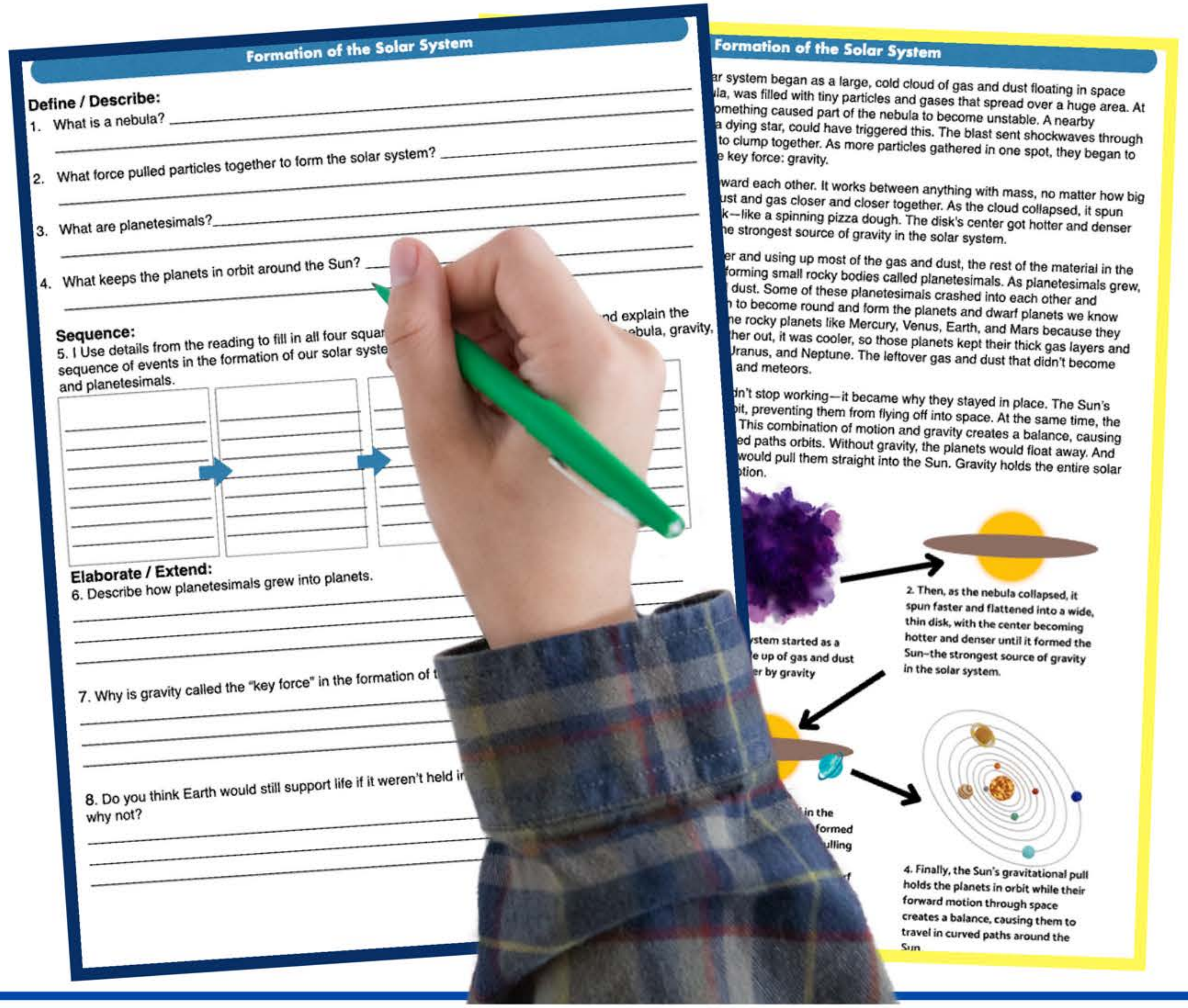
Included: Evidence of Evolution Science Reading

Covers

- ✅ Fossils
- ✅ comparative anatomy
- ✅ embryology

SOLAR SYSTEM

Science Reading

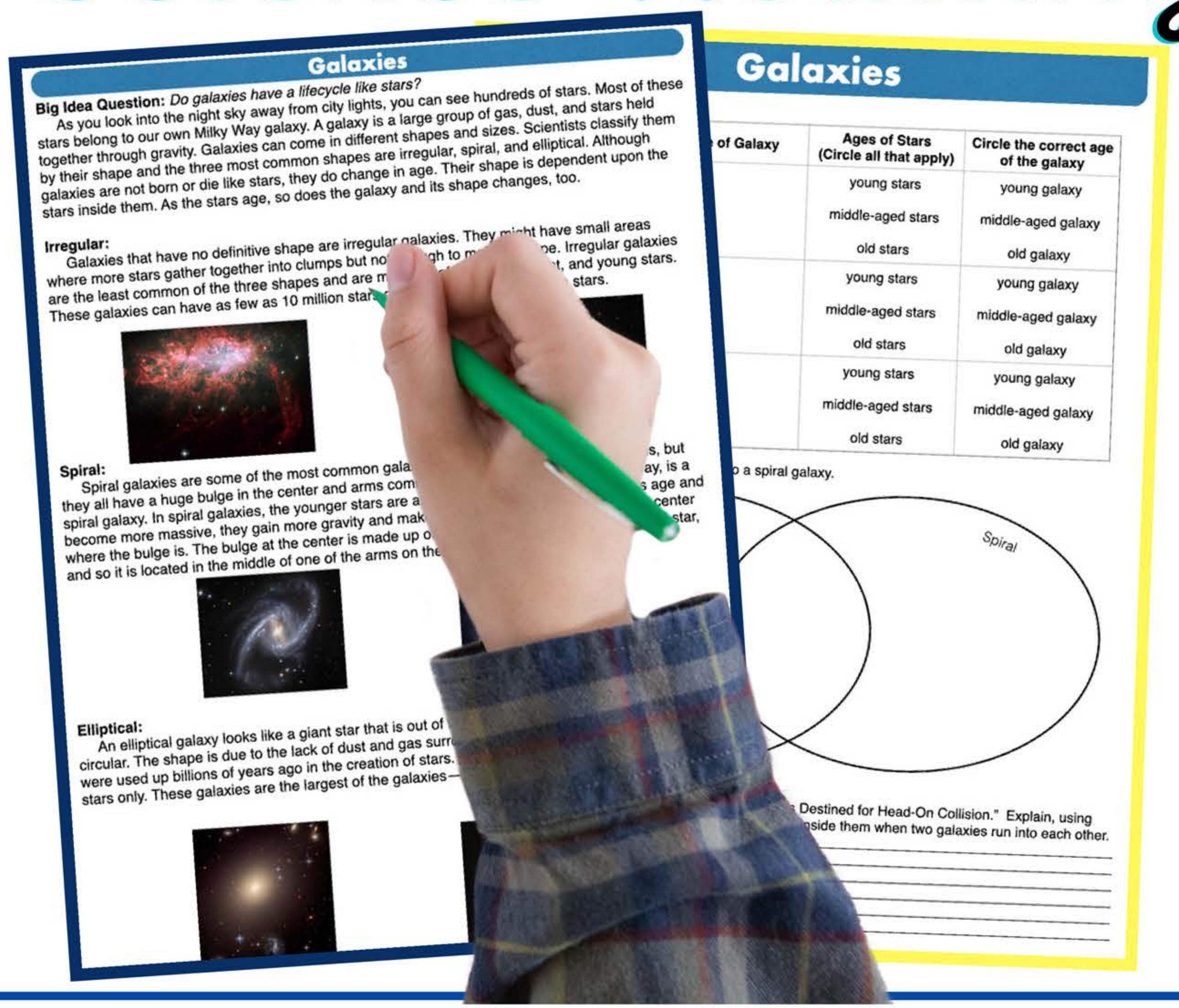


Topics Included

- Formation of the solar system
- Inner planets
- Outer Planets
- Other Objects

STARS AND GALAXIES
(LIFE CYCLE OF STARS, CLASSIFICATION OF STARS, H-R DIAGRAM, AND GALAXIES)

Science Reading

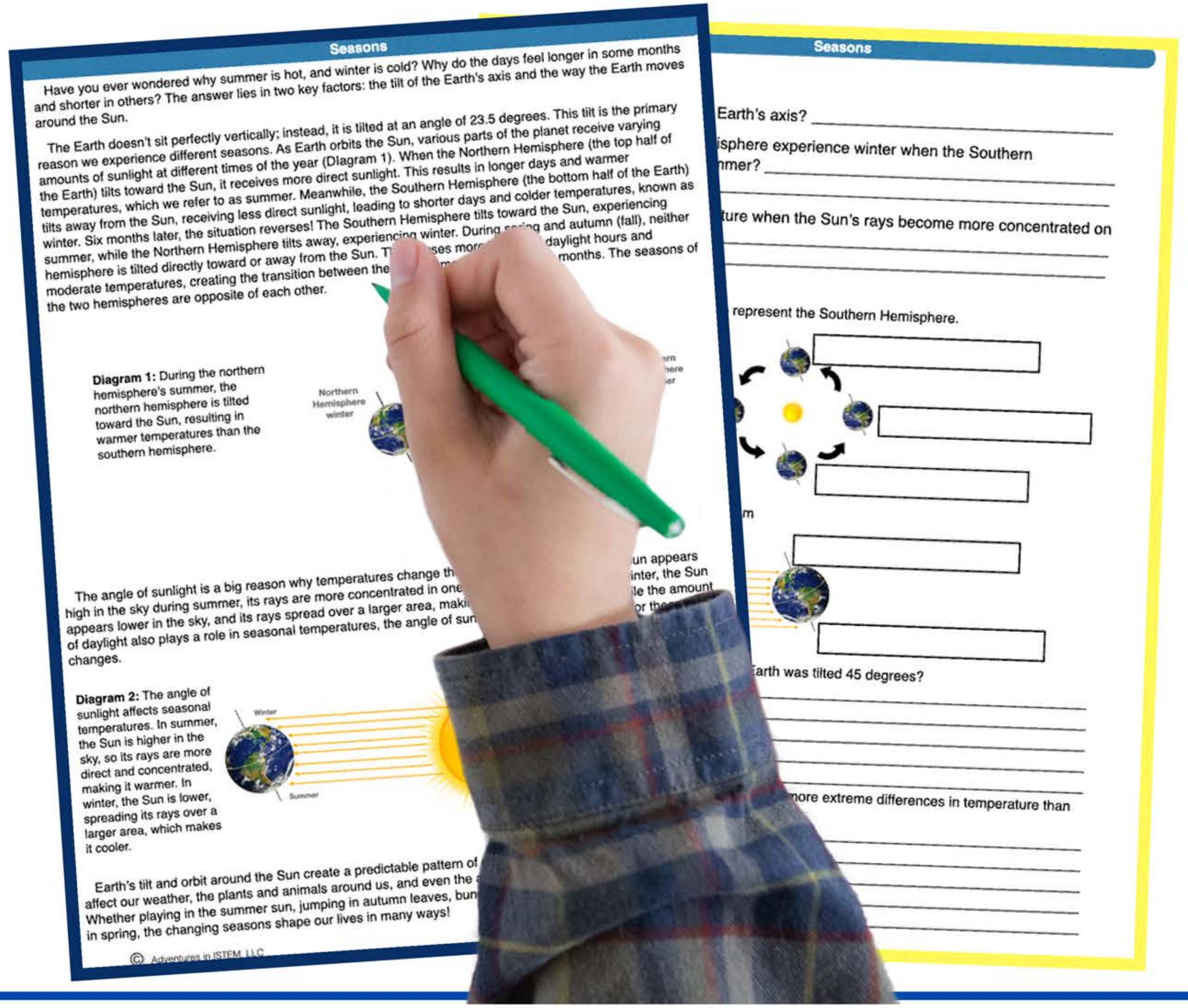


Topics Included

- ☑ **Life cycle of stars**
- ☑ **Classification of stars with H-R diagram (three different versions)**
- ☑ **Galaxies**

EARTH, SUN, AND MOON SYSTEM

Science Reading

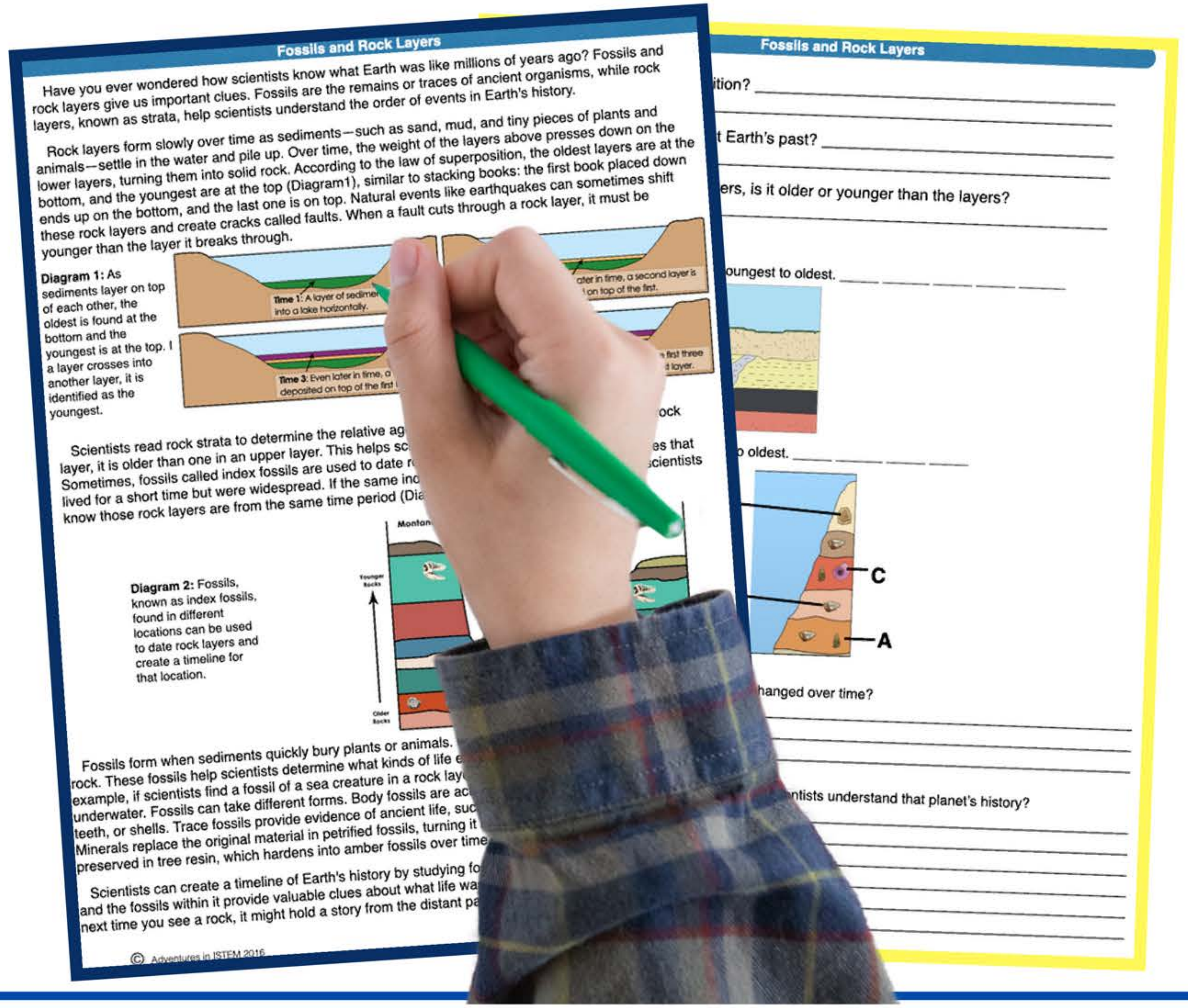


Topics Included

- ☑ **Seasons**
- ☑ **Phases of the Moon**
- ☑ **Eclipses**

FOSSILS, ROCK LAYERS, AND GEOLOGIC TIMELINE

Science Reading

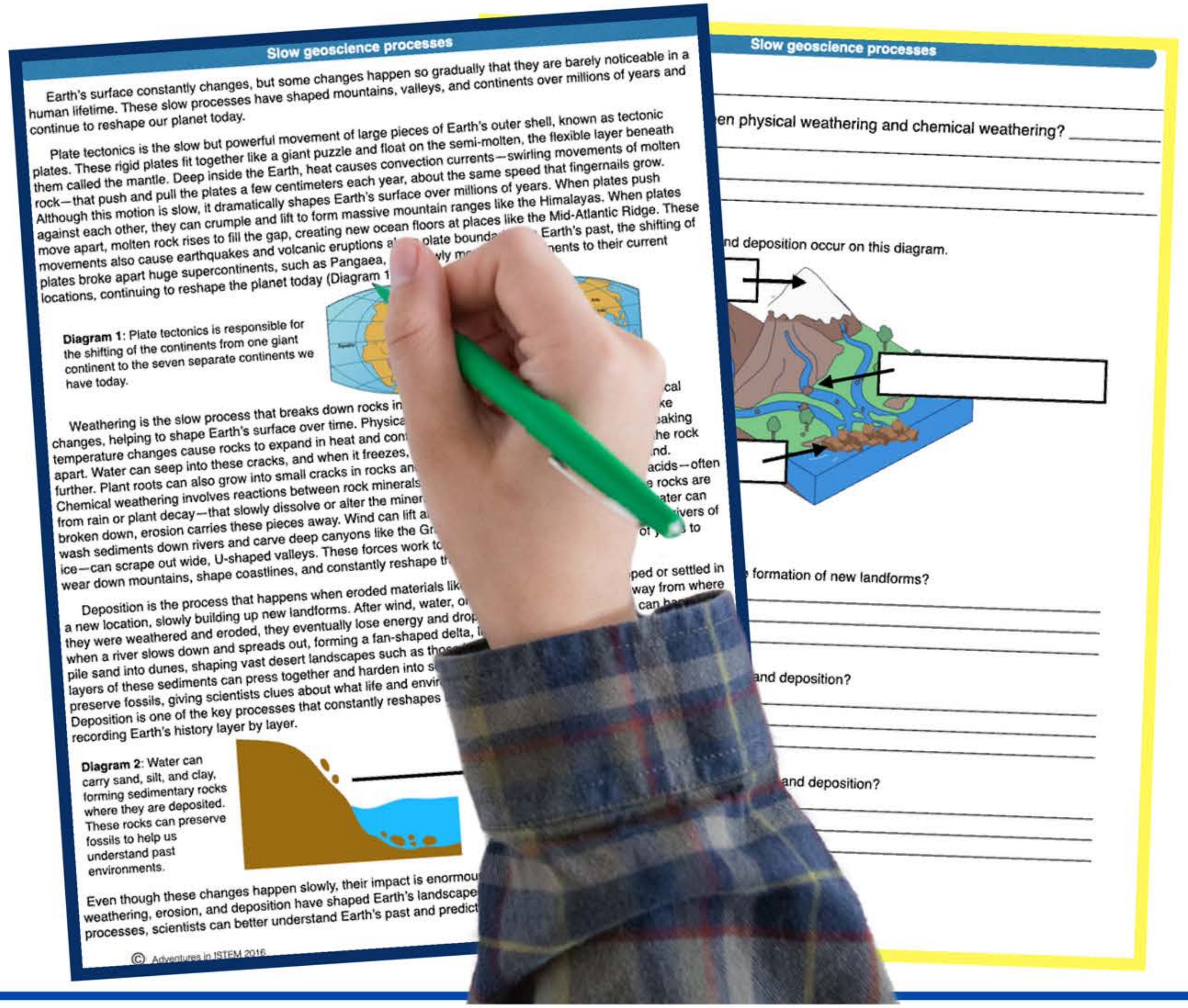


Topics Included

- ☑ **Fossils and Rock Layers**
- ☑ **Faults and Intrusions**
- ☑ **Geologic Timeline**

GEOSCIENCE PROCESSES

Science Reading

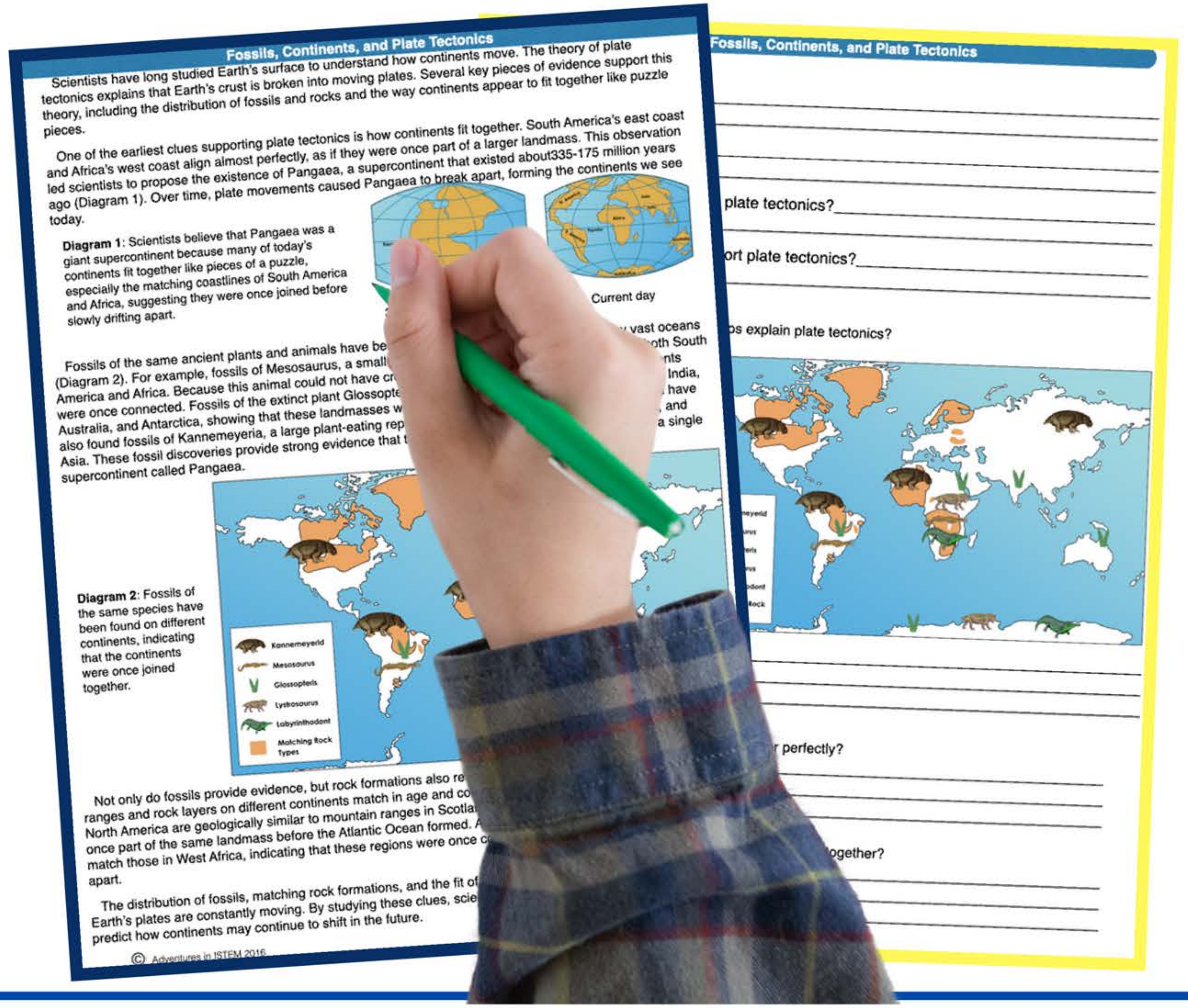


Topics Included

- **Slow geoscience processes: plate tectonics, weathering, deposition, erosion**
- **Fast geoscience processes: earthquakes, volcanoes, landslides, tsunamis**
- **Cyclical geoscience processes: rivers, coastal erosions, seasonal changes**

PLATE TECTONICS

Science Reading



Topics Included

- ☑ **Plate Tectonics: Types of Boundaries**
- ☑ **Seafloor spreading, subduction, and Plate Tectonics**
- ☑ **Fossils, Continents, and Plate Tectonics**

WATER CYCLE AND WEATHERING

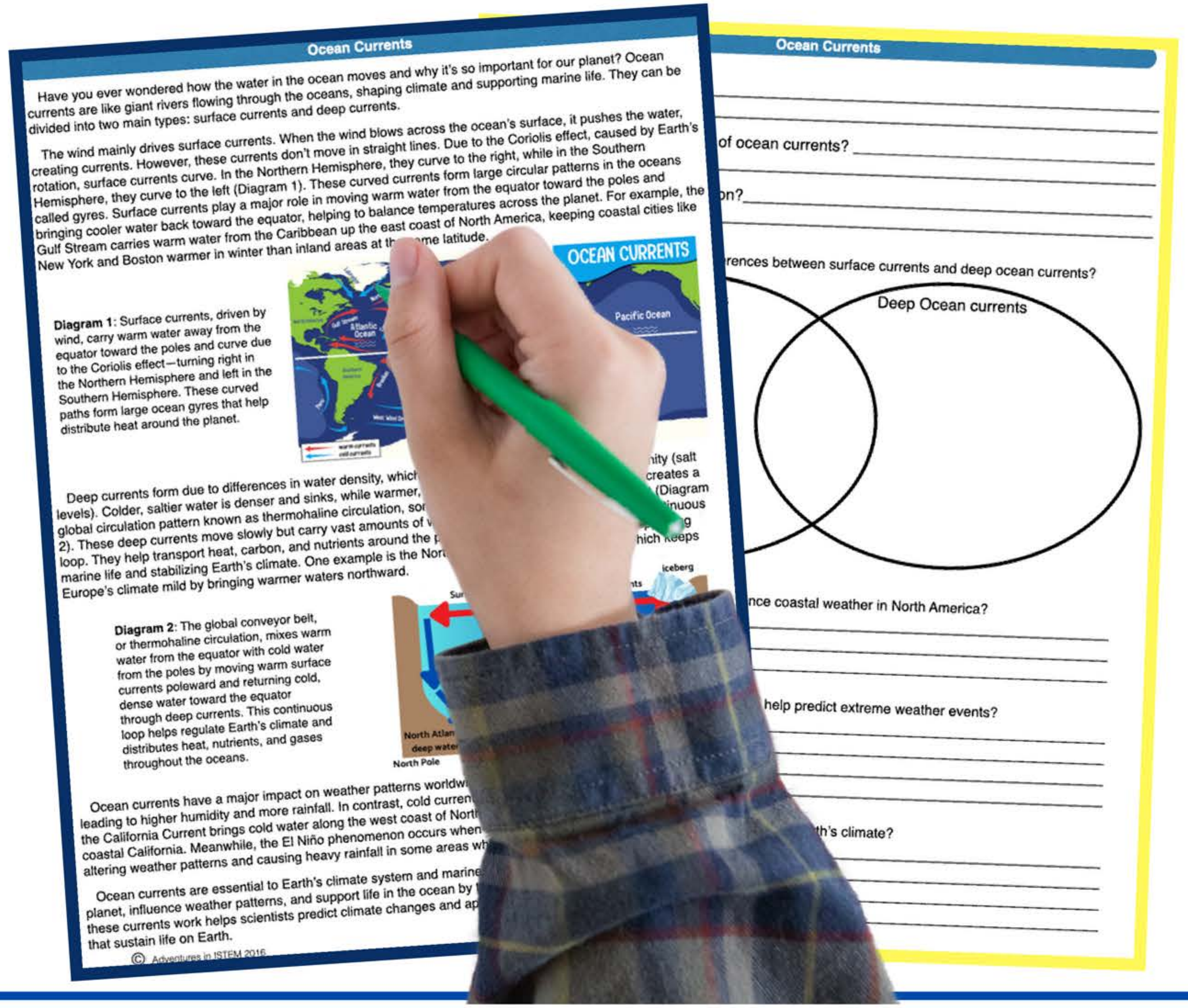
Science Reading

Topics Included

- **Water Cycle**
- **Weather including air masses and fronts**
- **Local Weather Patterns**

GLOBAL WINDS AND OCEAN CURRENTS

Science Reading

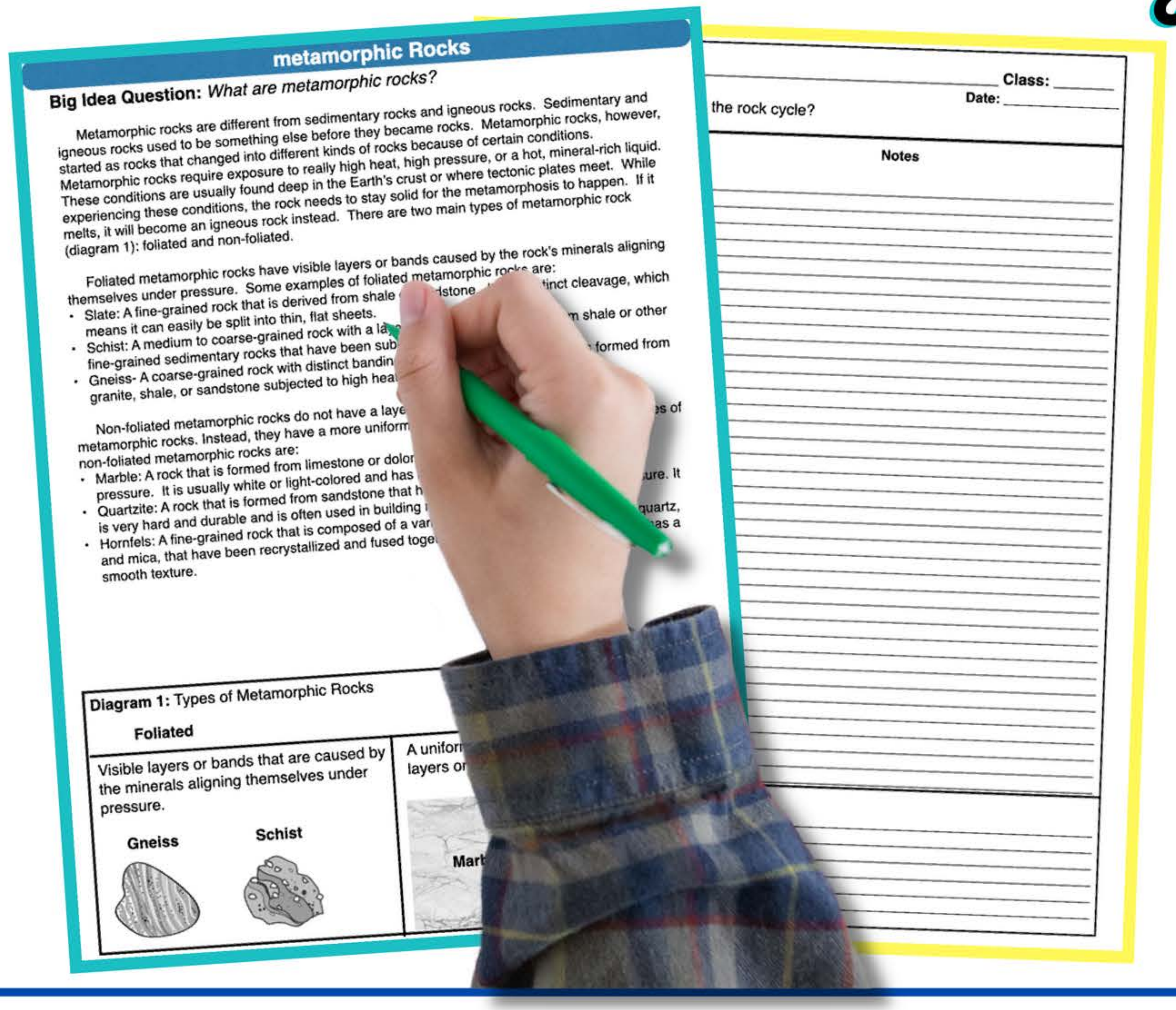


Topics Included

- ☑ **Global winds**
- ☑ **Ocean currents**
- ☑ **Climate**

TYPE OF ROCKS AND THE ROCK CYCLE

Science Reading

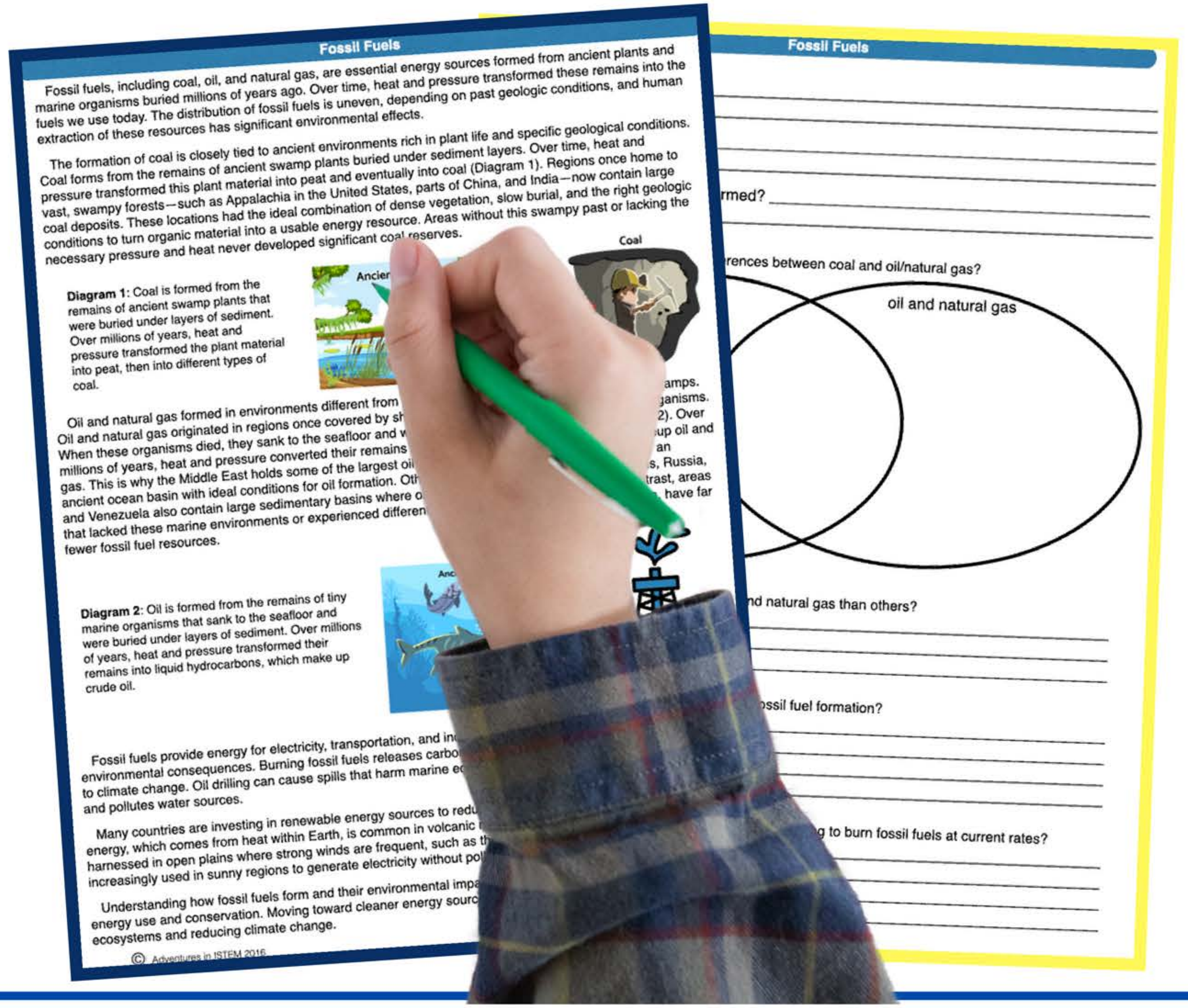


Topics Included

- Sedimentary Rocks
- Metamorphic Rocks
- Igneous Rocks
- Rock Cycle

HUMAN IMPACT ON NONRENEWABLE RESOURCES

Science Reading

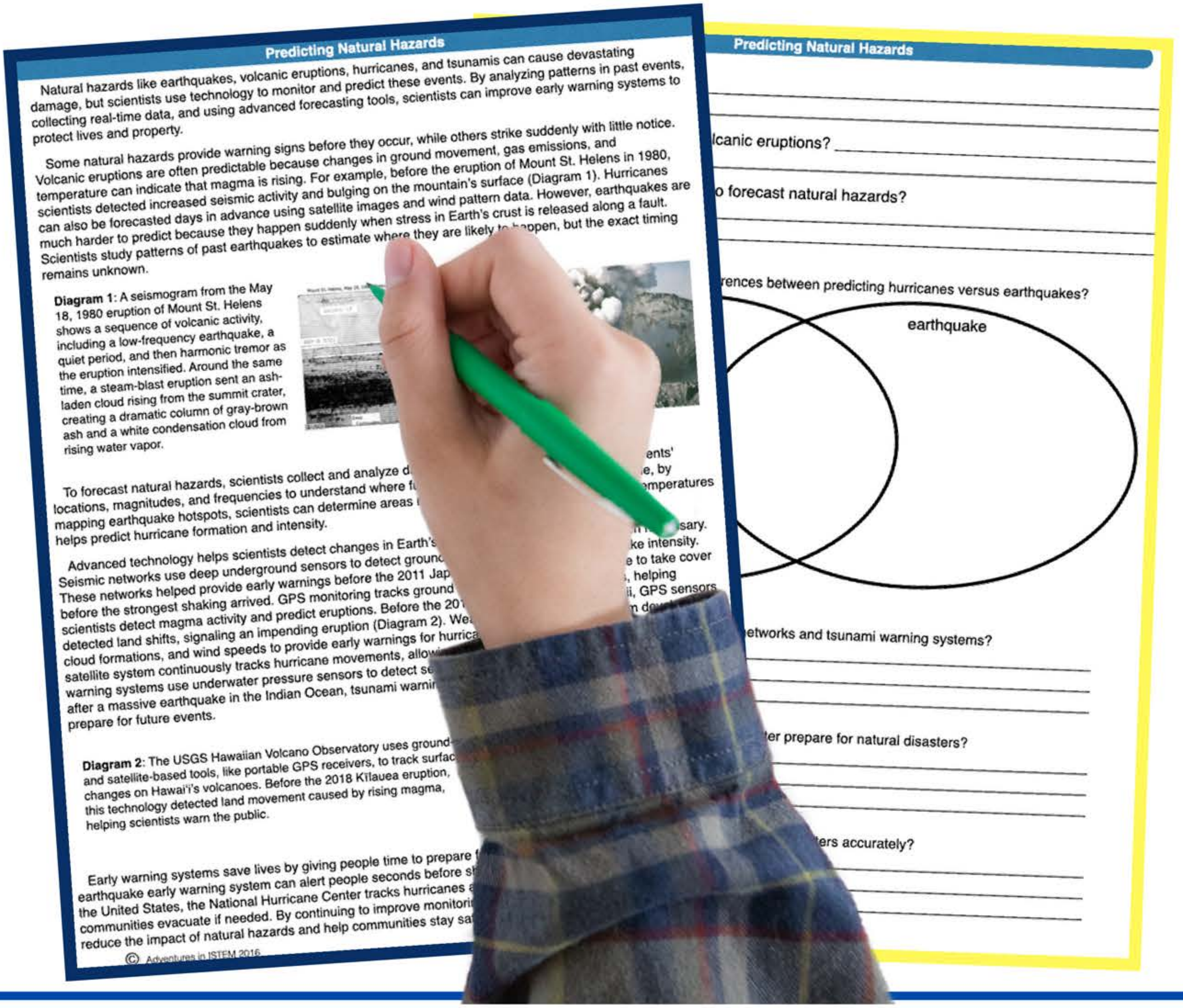


Topics Included

- ☑ **Minerals**
- ☑ **Fossil Fuels**
- ☑ **Freshwater resources**

NATURAL HAZARDS

Science Reading

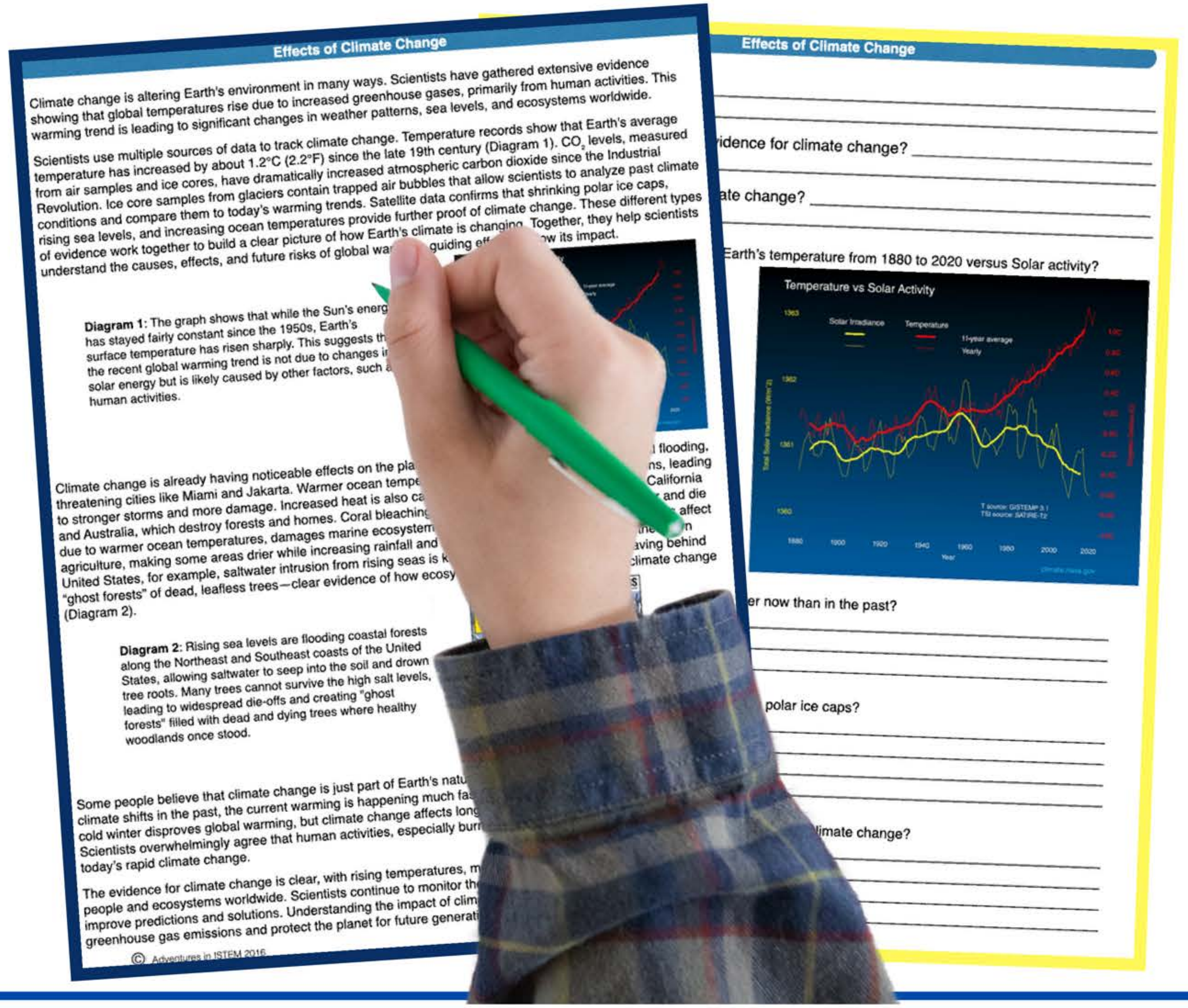


Topics Included

- Predicting Natural Hazards
- Volcanoes and Earthquakes
- Hurricanes and Tornadoes
- Typhoons and Floods

HUMAN IMPACT ON CLIMATE CHANGE / GLOBAL WARMING

Science Reading

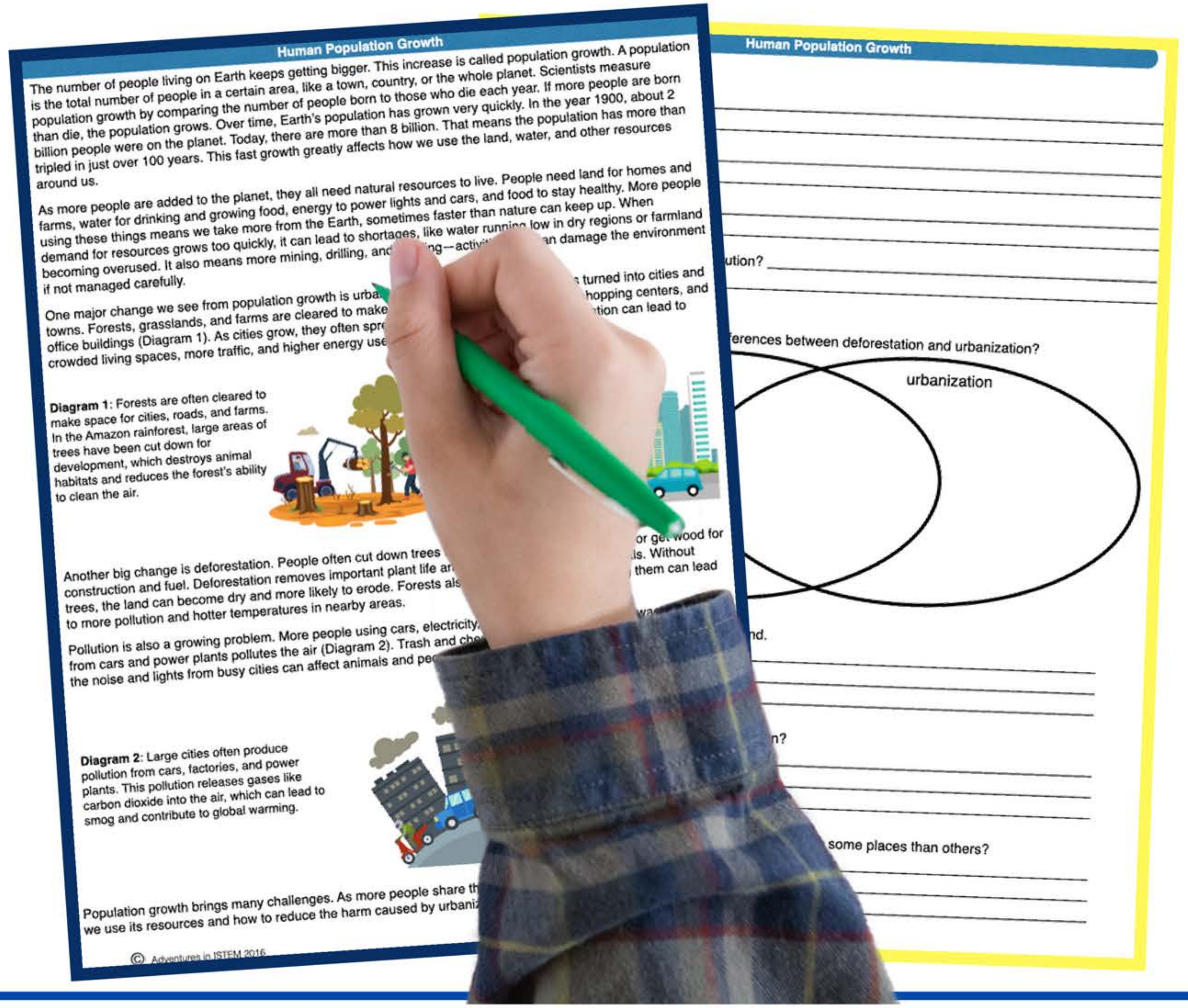


Topics Included

- ☑ **Global warming**
- ☑ **Human impact on global warming**
- ☑ **Effects of climate change**

HUMAN GROWTH POPULATION IMPACT ON EARTH'S RESOURCES

Science Reading



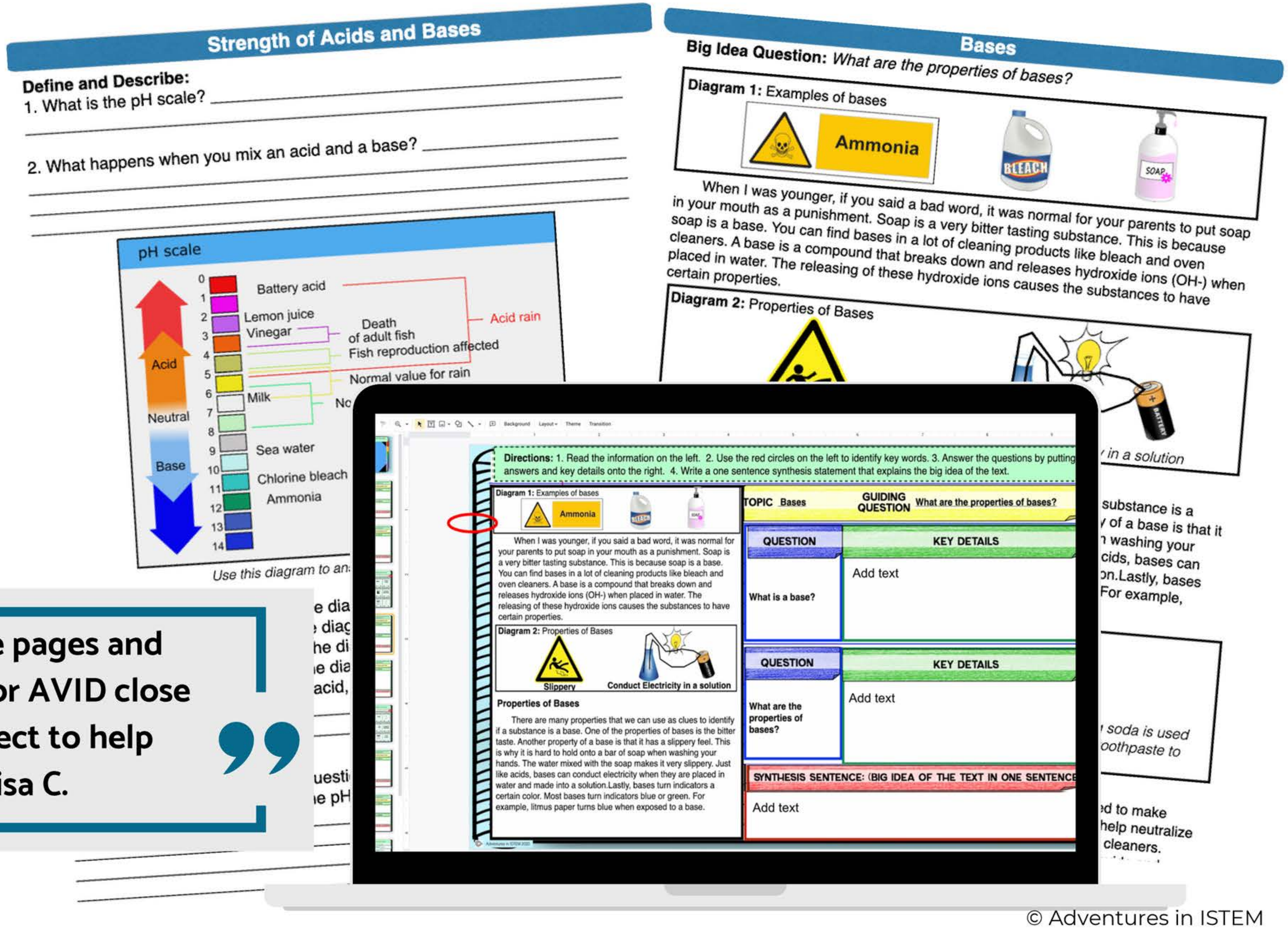
Topics Included

- ✓ **Human population growth**
- ✓ **Per-capita consumption**
- ✓ **Impact of human consumption on Earth**

Acids and Bases Science Reading

Covers

- ✅ Acids
- ✅ Bases
- ✅ pH

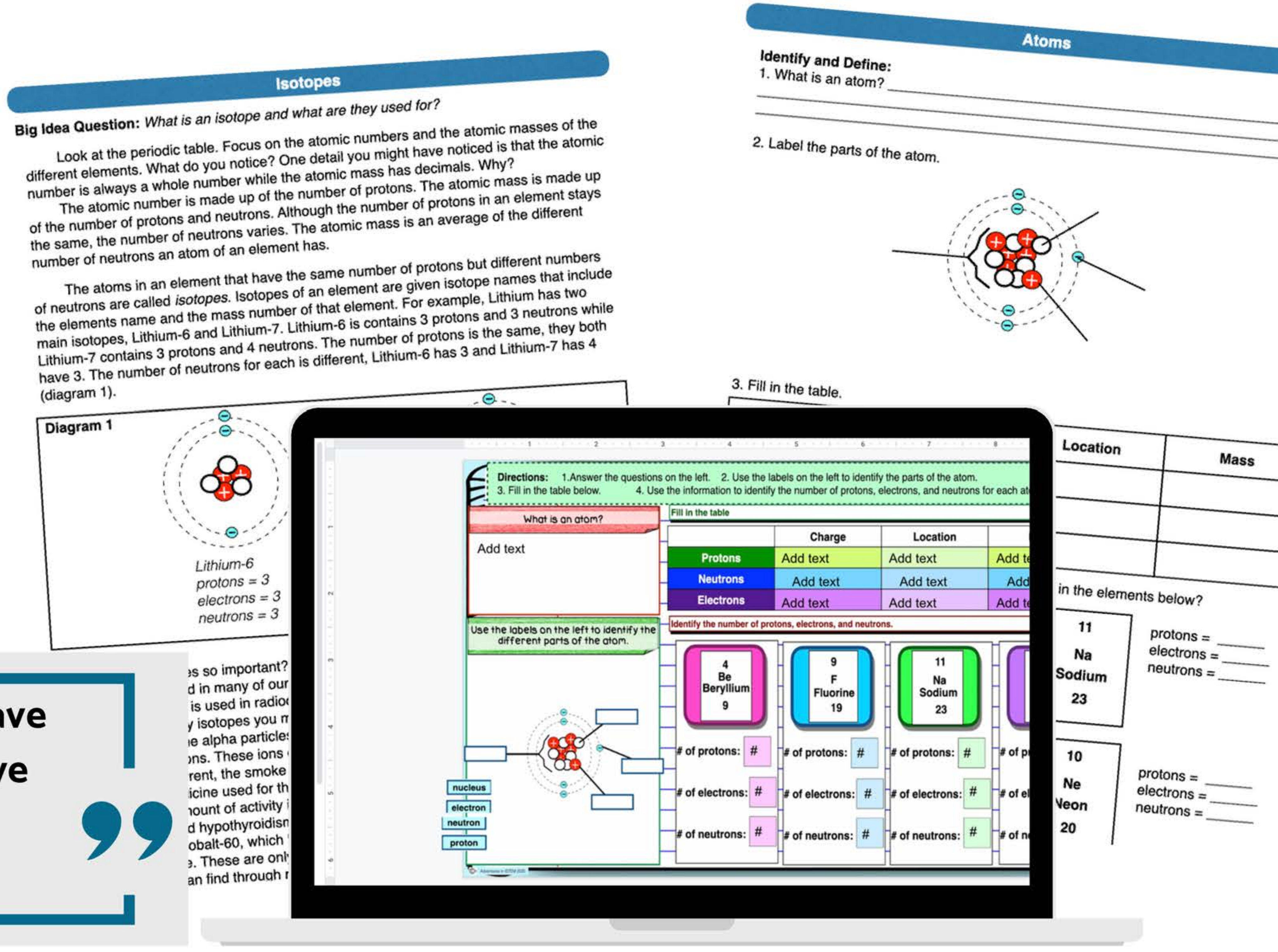


> Great resource, love that it comes with note pages and annotated articles. Exactly what I needed for AVID close reading assignments and the level was perfect to help my students understand the material.- Mellisa C.

Atoms and Isotopes Science Reading

Covers

- ✅ Atoms
- ✅ Isotopes

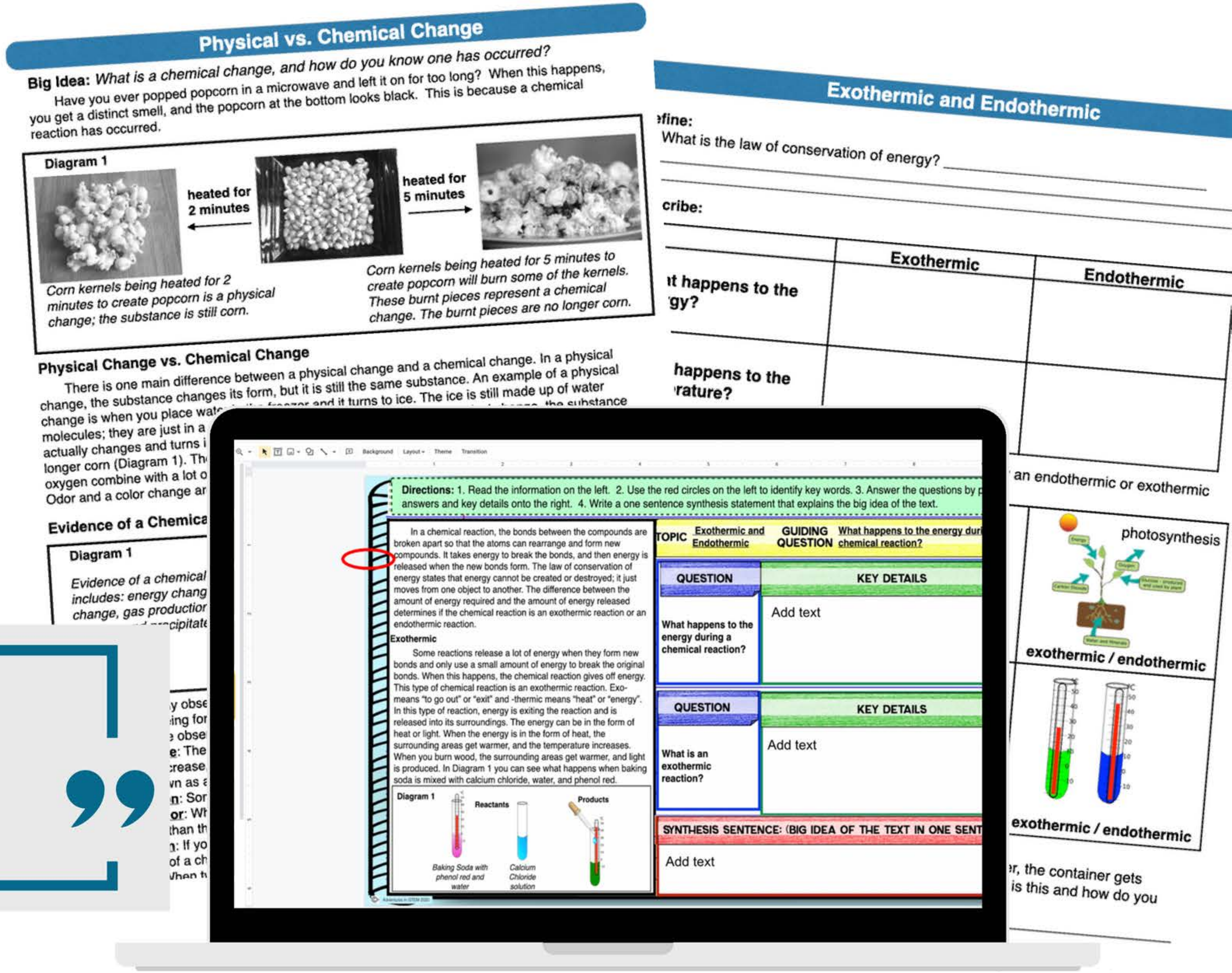


> This supplement helped in all types of students I have in the classroom. They all agree that it is an effective resource- Alexandra A.

Chemical reactions and balancing equations Science Reading

Covers

- ✅ chemical Change
- ✅ Exothermic
- ✅ Endothermic
- ✅ Chemical Equations

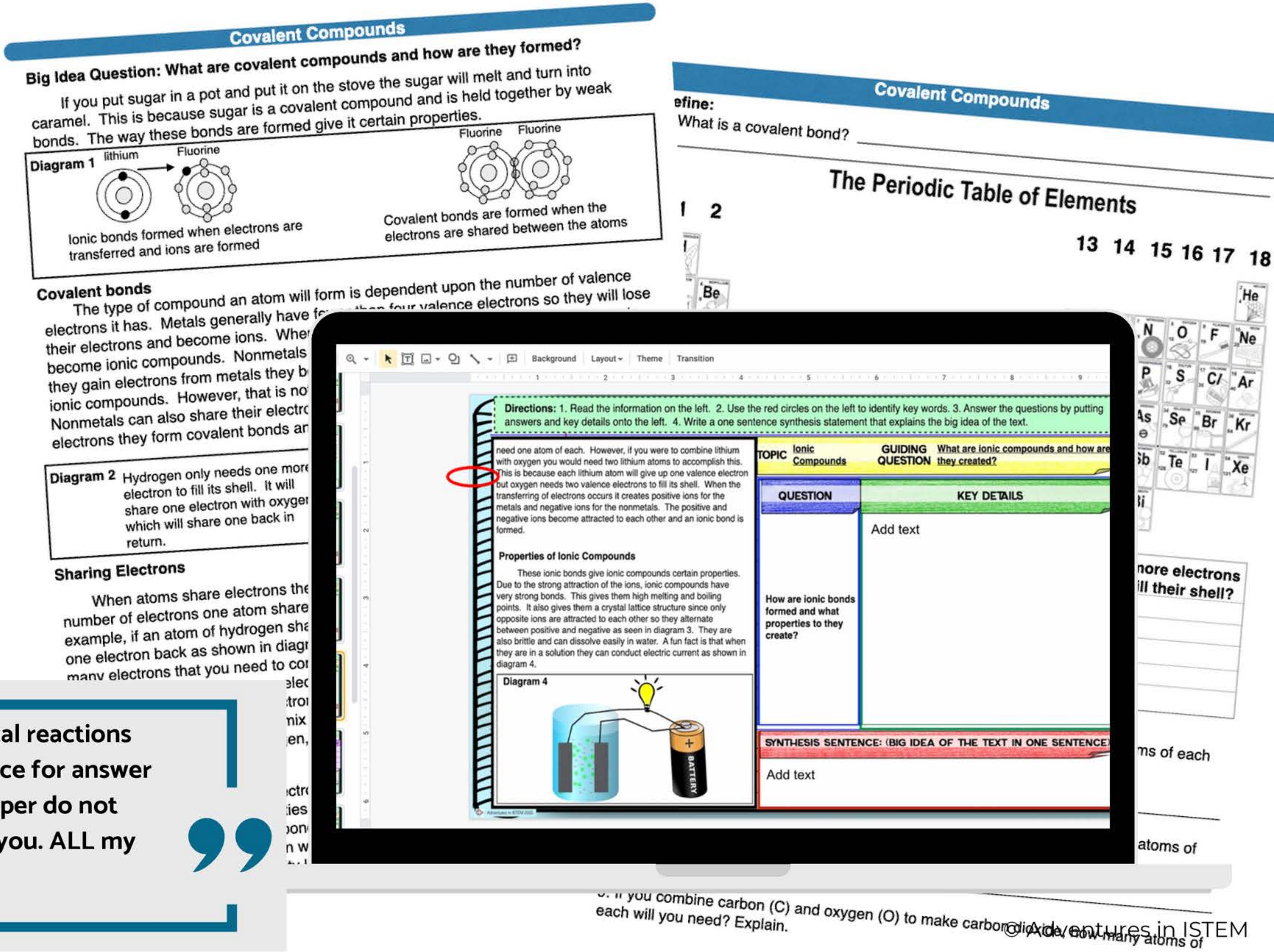


> “My students loved working with a partner for this activity. It was a great way for me to introduce chemical reactions to them.- The Classy Teacher”

Ionic and Covalent compounds and Chemical Bonding

Covers

- ✅ Ionic compounds
- ✅ Covalent compounds
- ✅ Chemical Bonding



> This resource really helped my 7th graders understand chemical reactions better than when we started. I really appreciated the extra space for answer questions. I always get my students to write more but most paper do not have room. The reading was great, I will be buying more from you. ALL my students need to read more & this does. Thanks!- Shelly

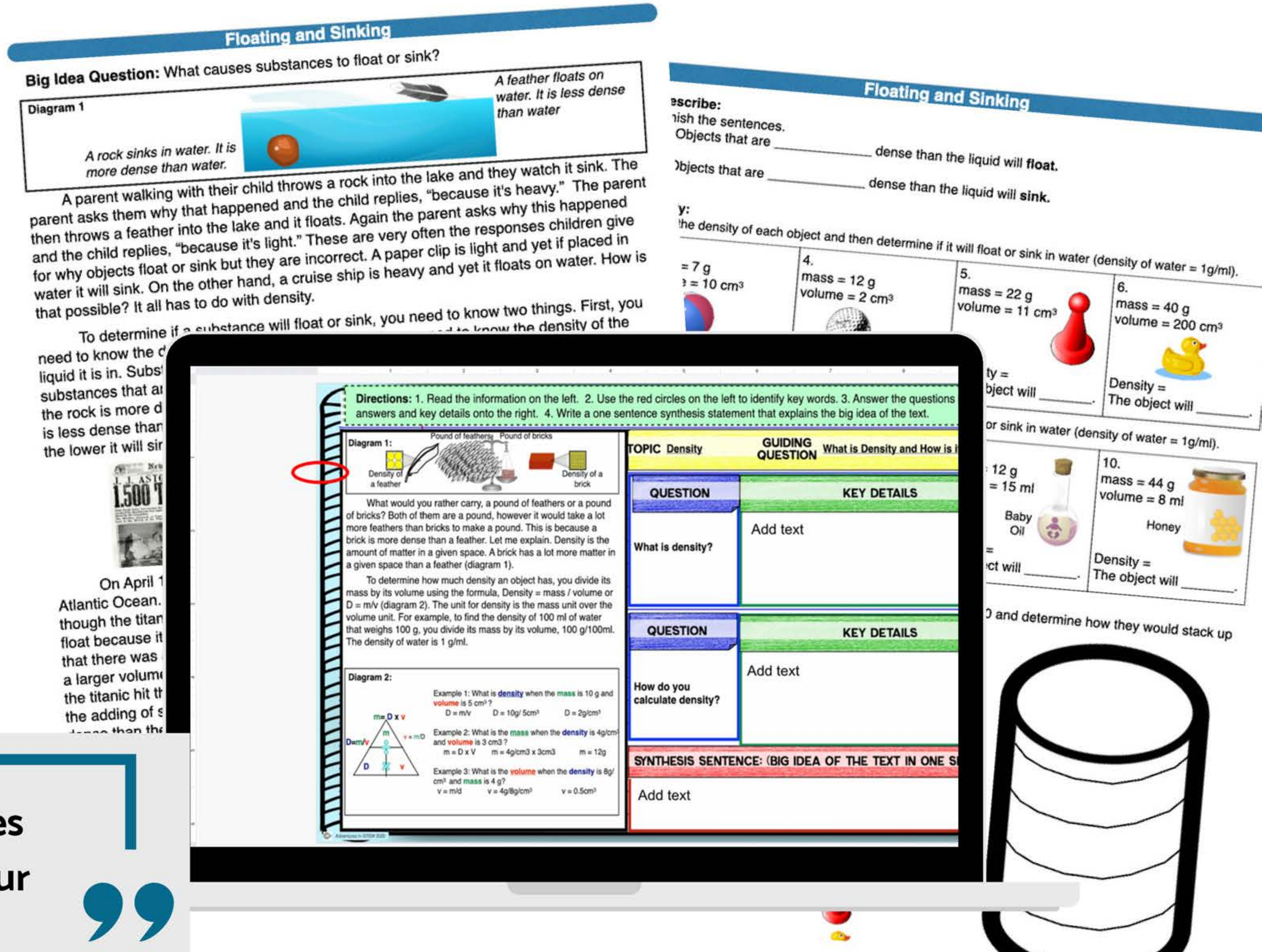
Measuring Matter with Mass, Vollume, and Density

Covers

✅ Measuring mass and volume

✅ Density

✅ Why objects float or sink

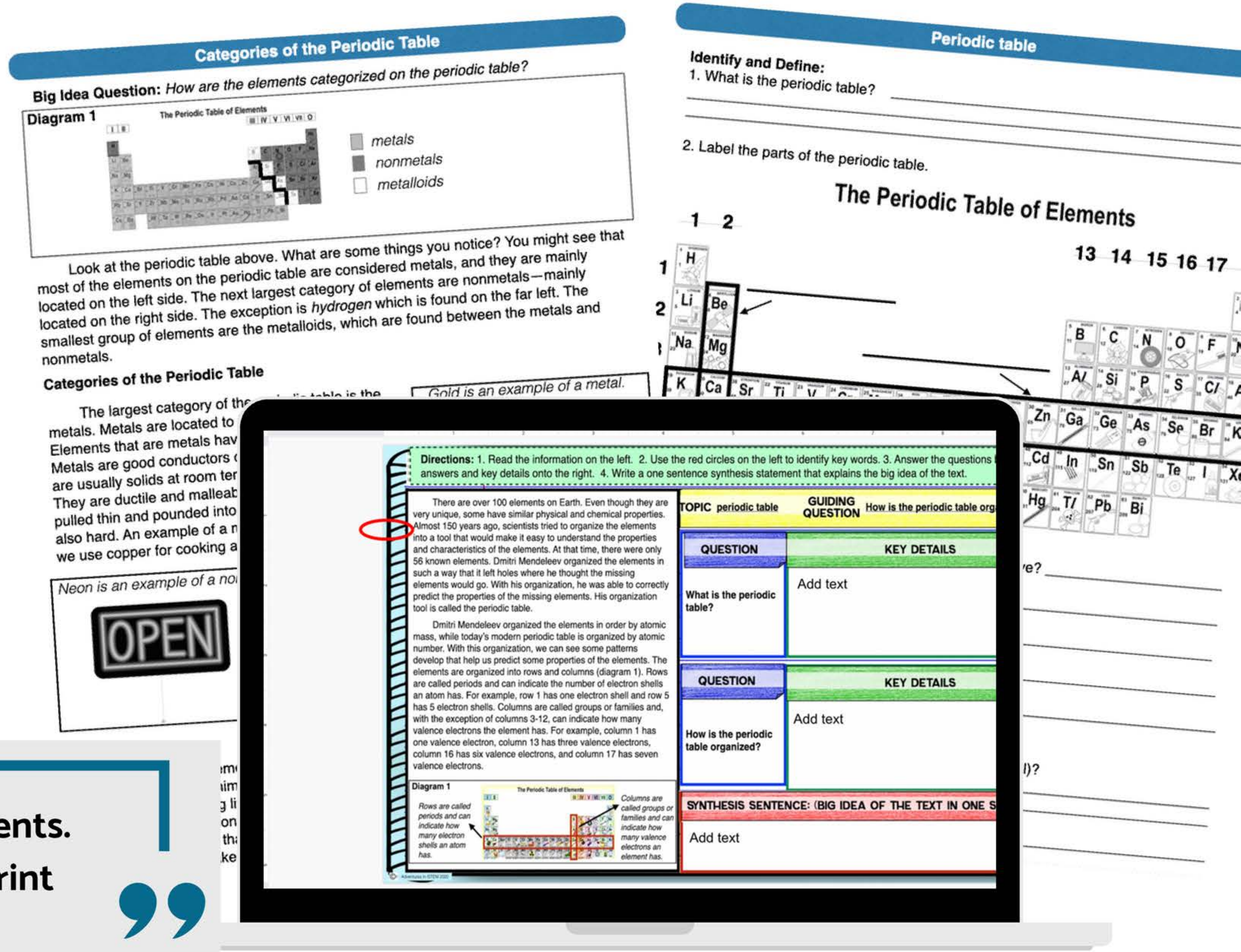


> “Great for distance learning, used the reading articles and questions with my students. Very helpful for our density unit - Melissa”

Periodic Table

Covers

- ✅ Reading the periodic table
- ✅ Metals, nonmetals, metalloids (semimetals)
- ✅ Families of the periodic table



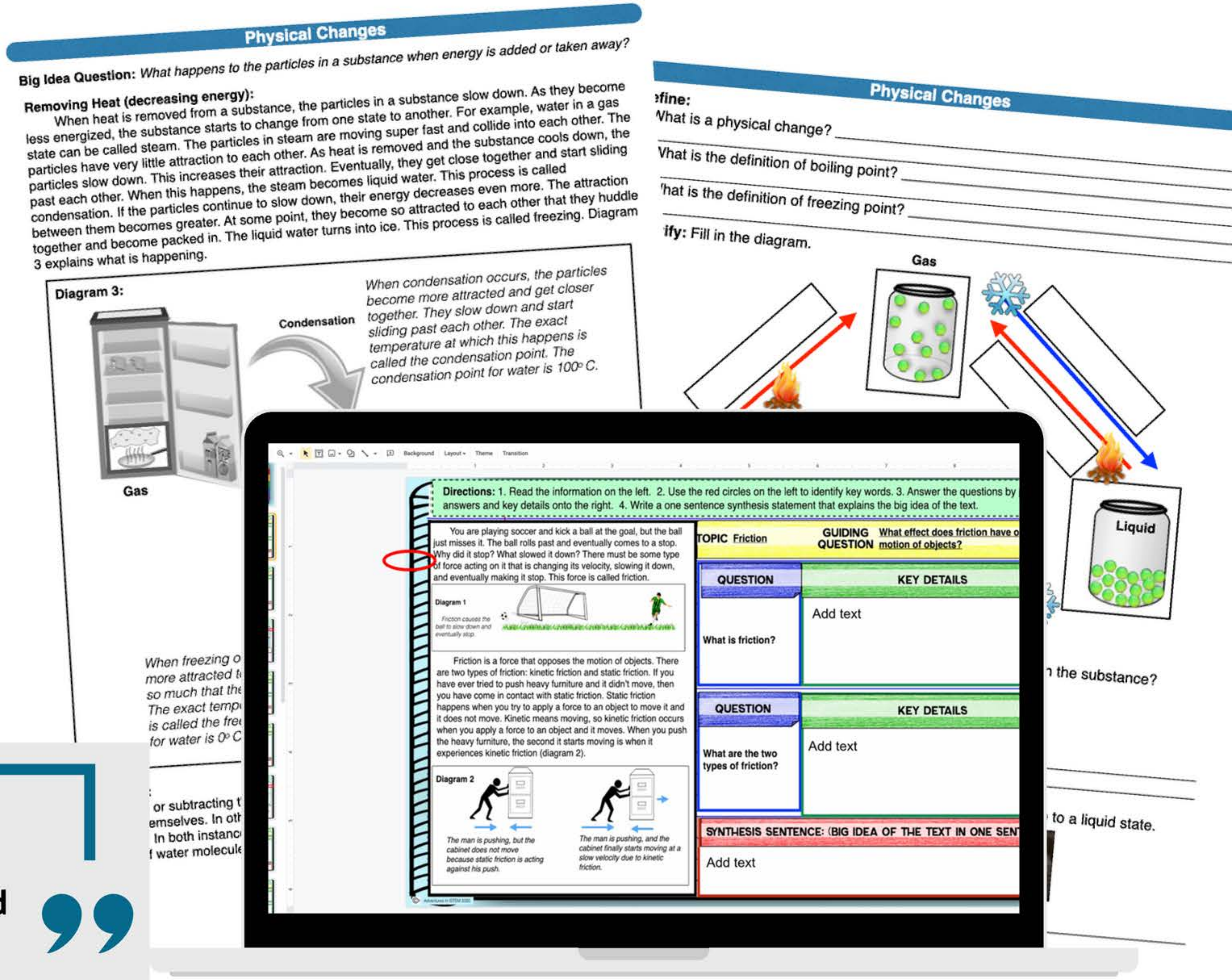
> “I use the article every day for my gen chem students. The articles are great and there is no prep. Just print and use- Melissa”

States of Matter and Phase Changes

Covers

✅ States of Matter

✅ Phase Changes

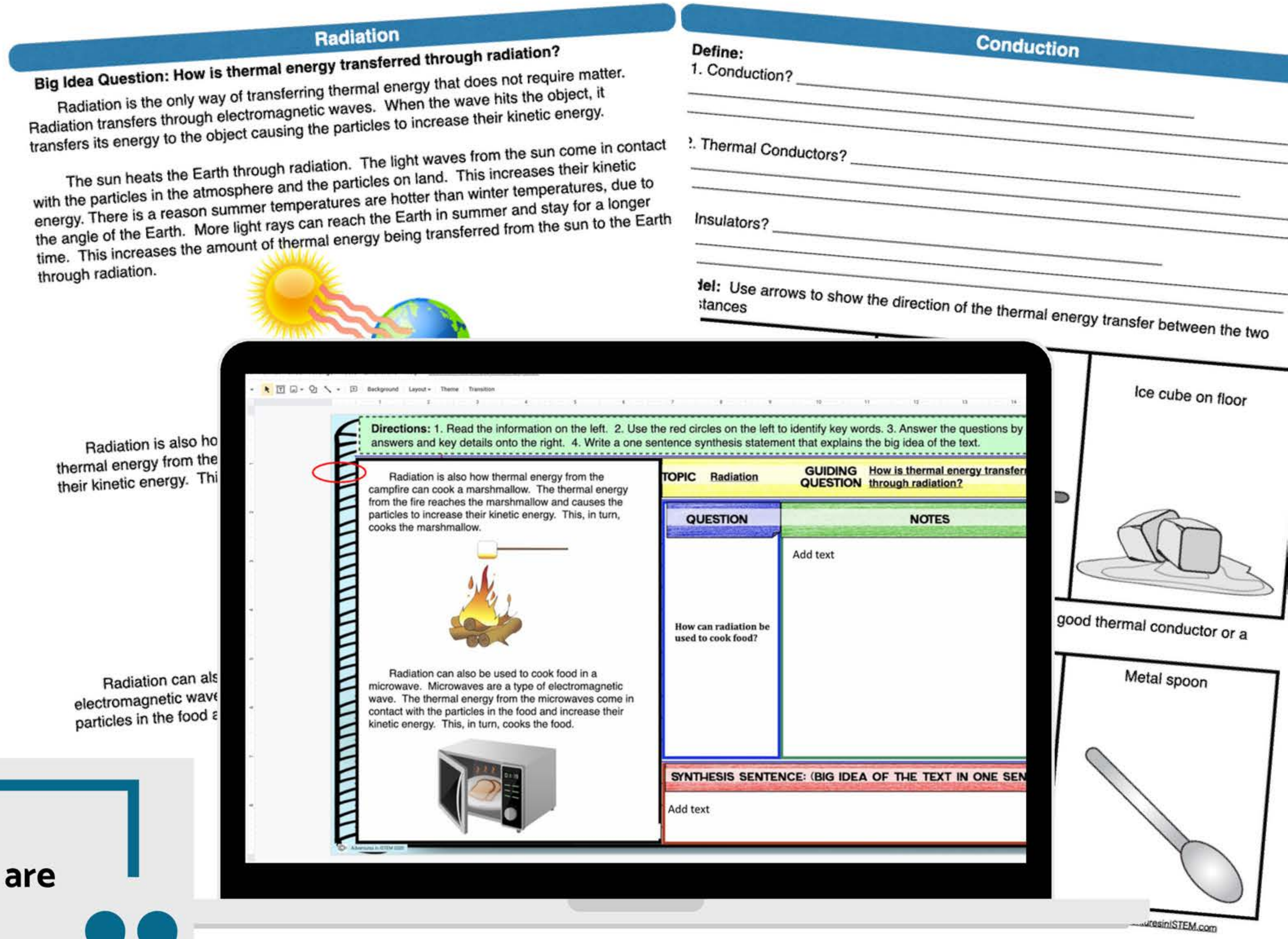


> After completing the first part of the assignment, the students completed the illustration page as the activity page in their interactive notebook. They copied the illustration and filled in the blanks and then answered the questions.- Linda

Thermal energy with conduction, convection, and radiation

Covers

- ✅ Conduction
- ✅ Convection
- ✅ Radiation

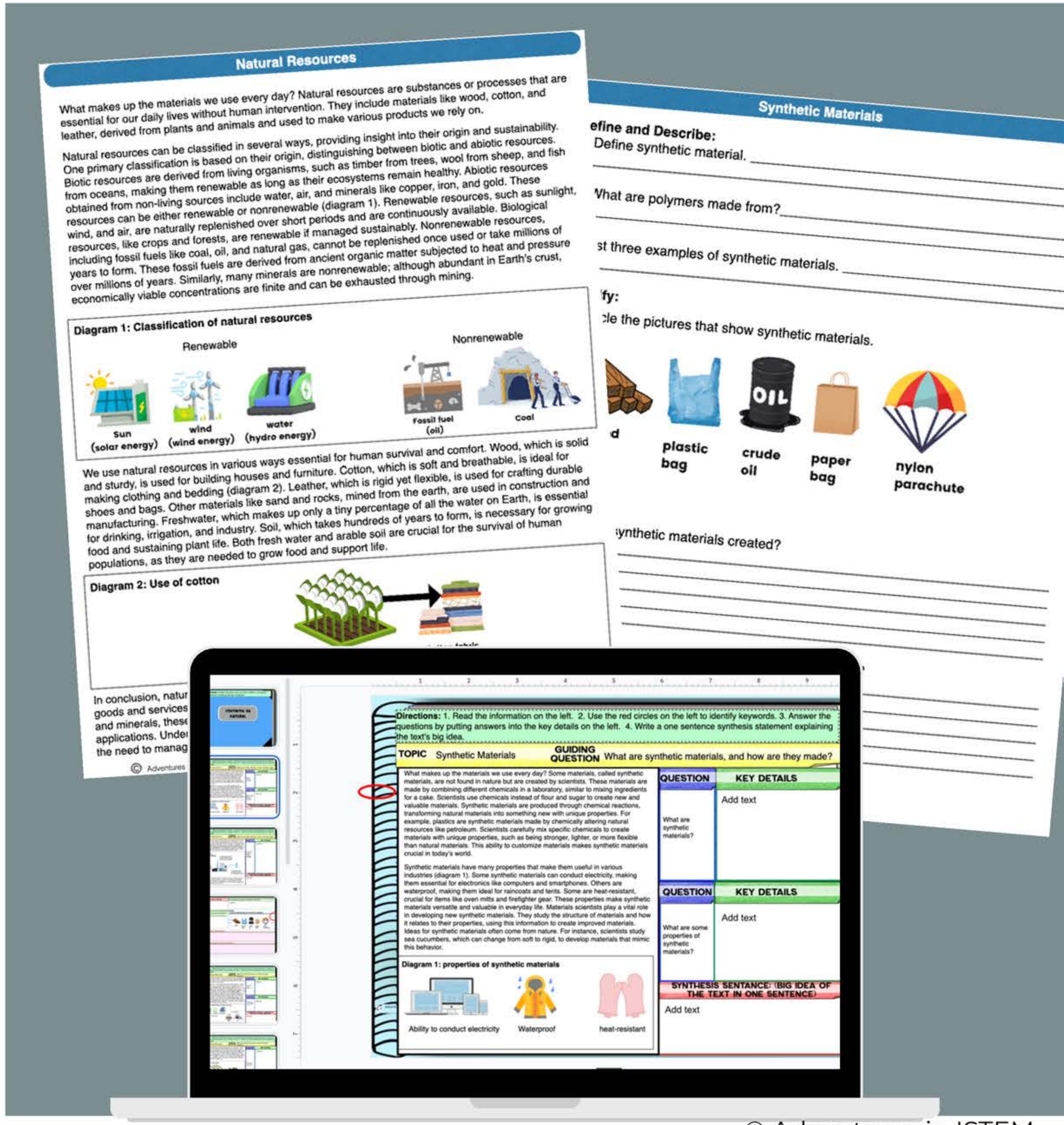


> My students used this while waiting for the science experiment to be set up. They were very engaged. They are just the right amount of reading and comprehension questions.- Mary

Included: Synthetic Materials vs Natural Resources

Covers

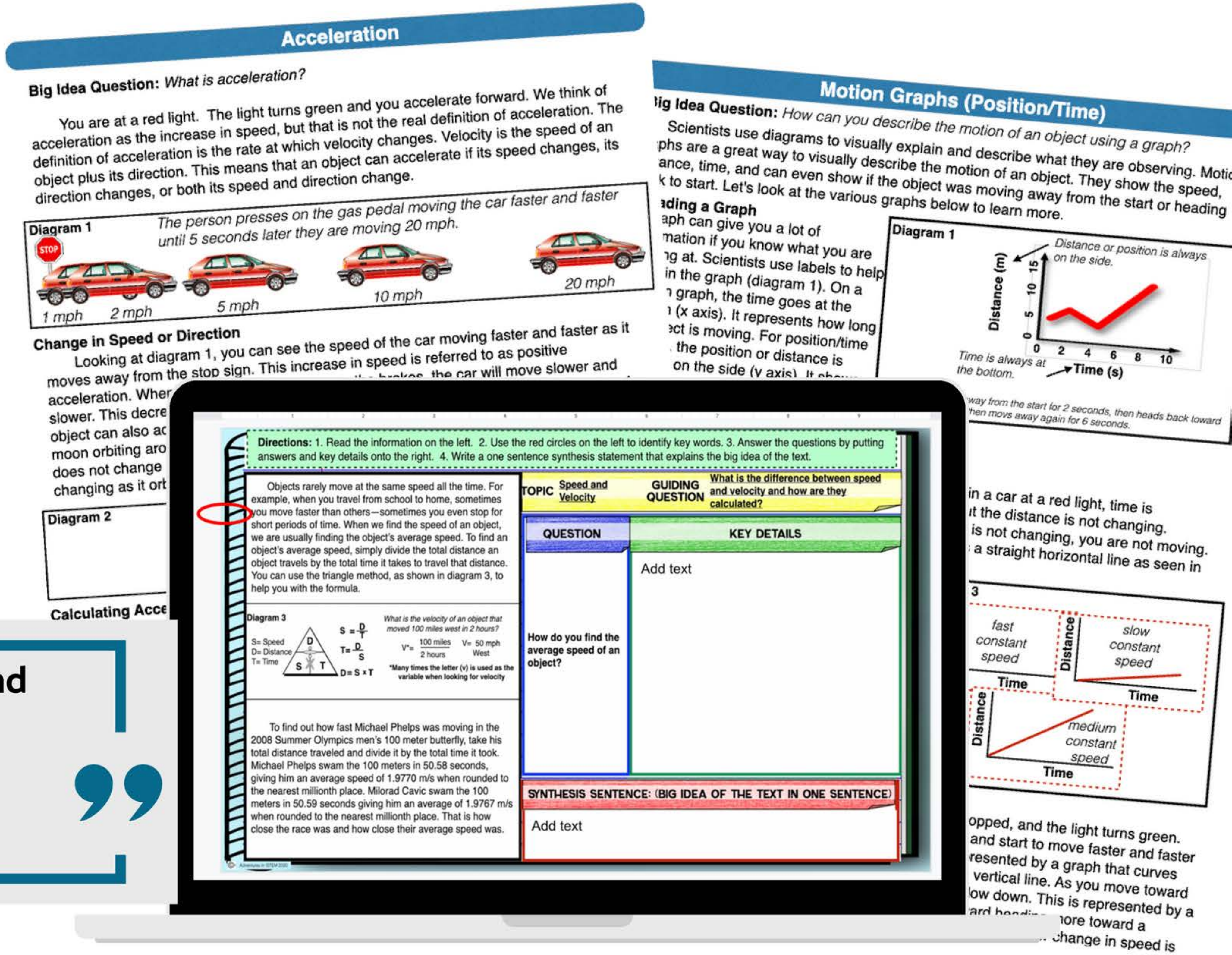
- ✅ Synthetic materials
- ✅ Natural Resources
- ✅ Impact of Synthetic vs Natural



Motion, Speed, and acceleration Science Reading

Covers

- ✅ Speed
- ✅ Acceleration
- ✅ Velocity
- ✅ Motion Graphs

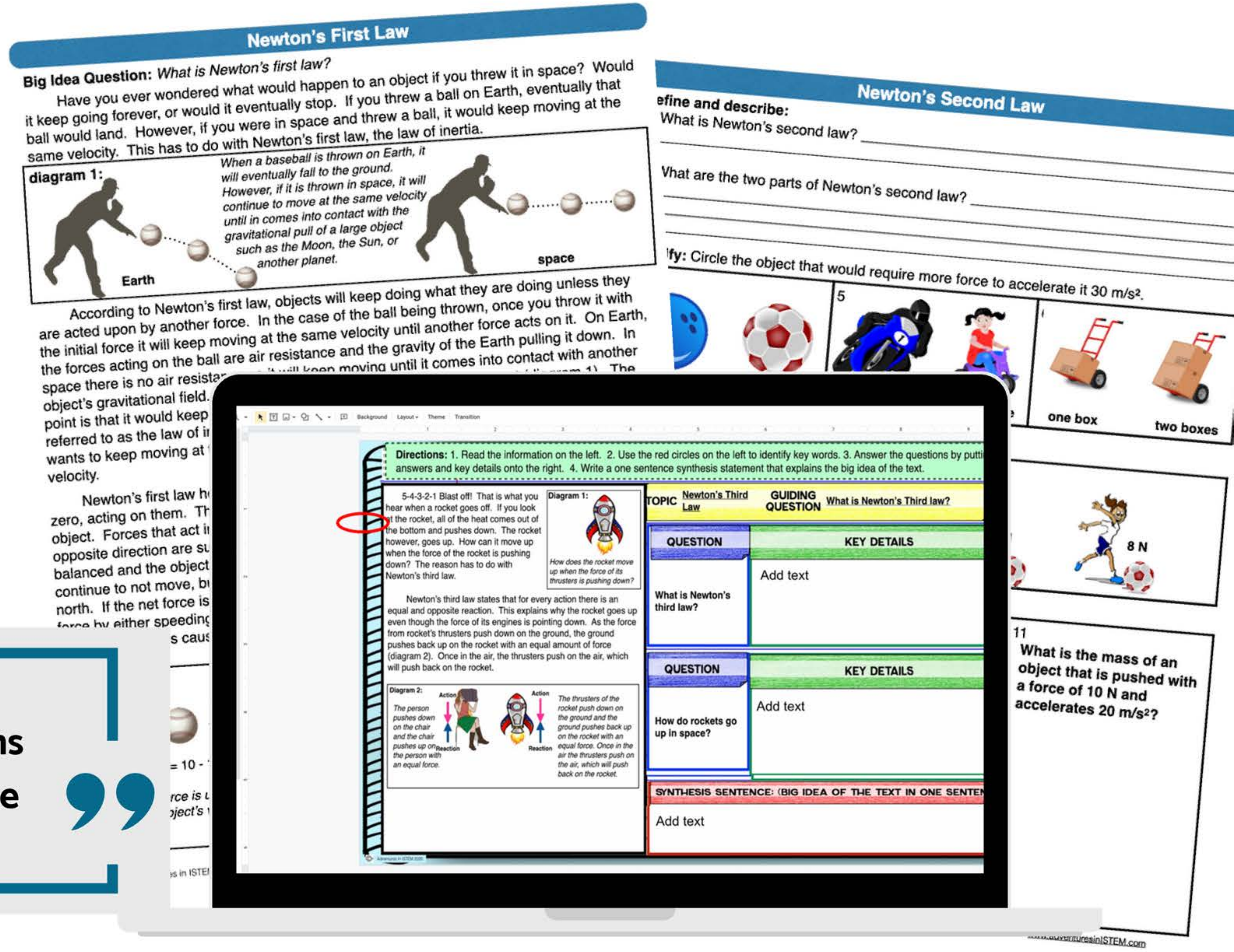


> “My students did well with the ready-made lesson and it makes it easy for me classroom the educator and my homebound students. It allowed me to provide meaningful instruction to students.- Dorothea M.”

Newton's laws of motion Science Reading

Covers

- ✅ Newton's 1st law
- ✅ Newton's 2nd law
- ✅ Newton's 3rd law

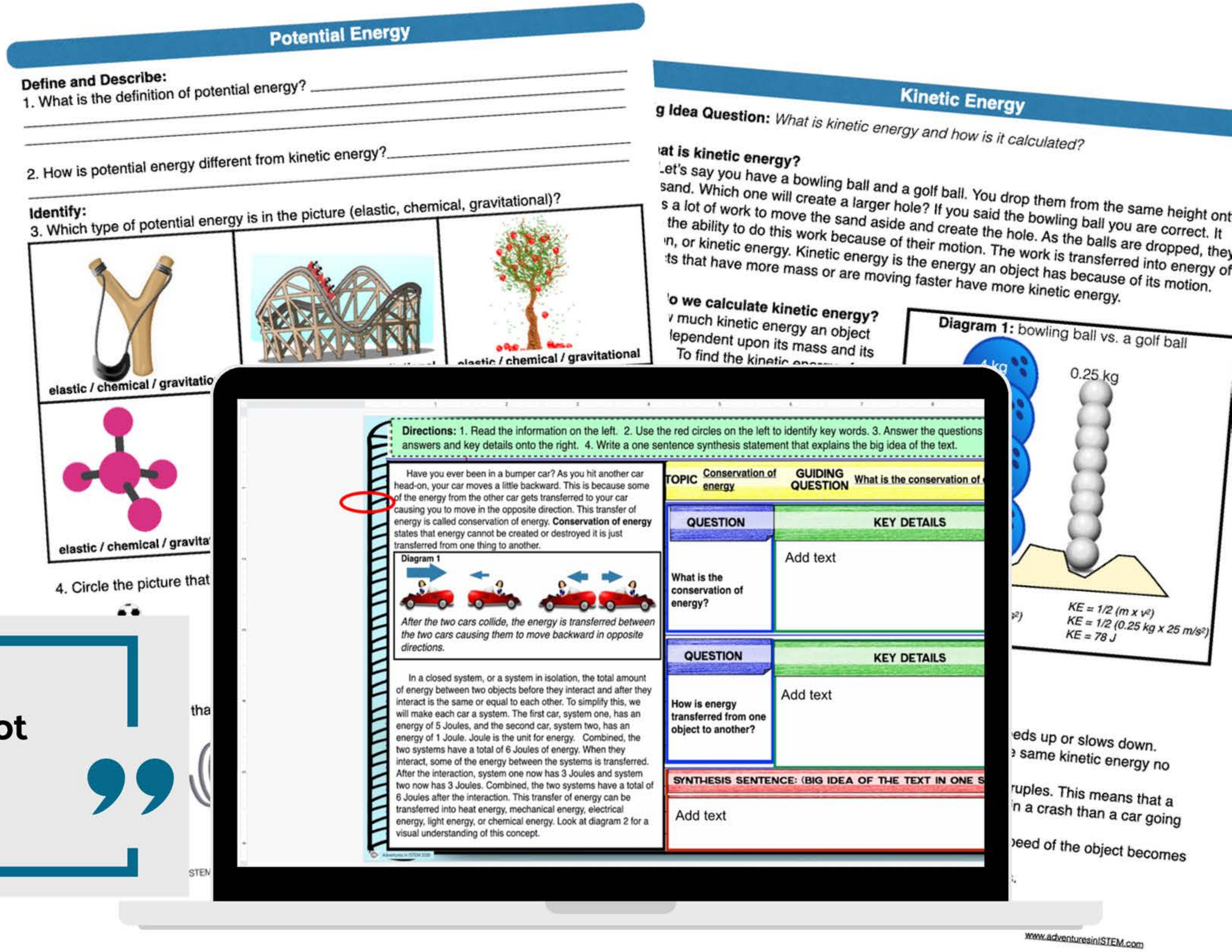


> "I really like this resource because of the differentiation. I like that there are practice problems for students to complete and questions based on the text as well. - Byranna T."

Conservation of Energy KE and PE Science Reading

Covers

- ✅ Kinetic Energy
- ✅ Potential Energy
- ✅ Conservation of Energy

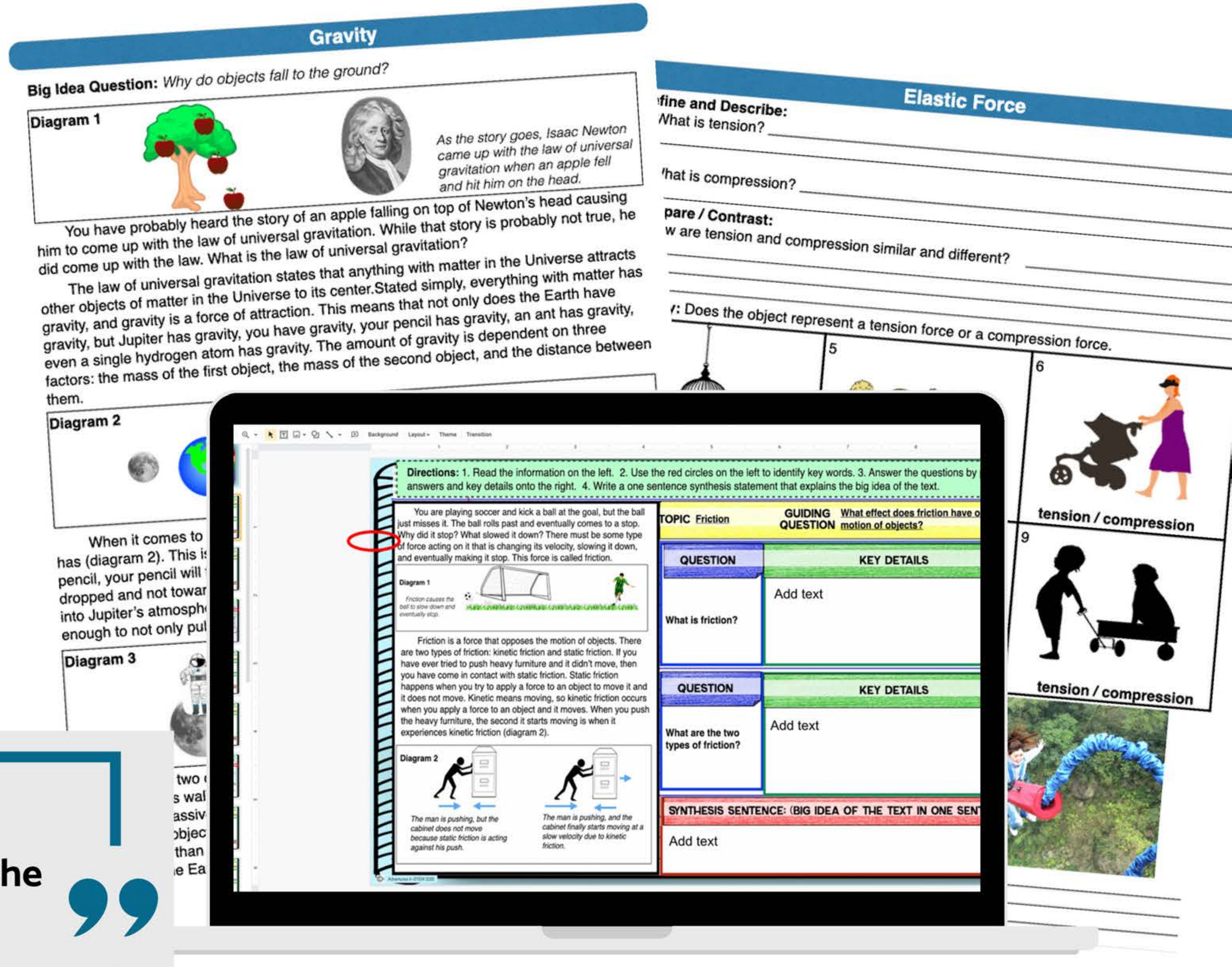


> "AMAZING resource! It was VERY easy to use and not overwhelming!- Morgana R."

Types of Forces Science Reading

Covers

- ✅ Friction
- ✅ Fluid Friction
- ✅ Air Resistance
- ✅ Gravity
- ✅ Elastic Force: Tension
- ✅ Elastic Force: Compression
- ✅ Buoyant Force

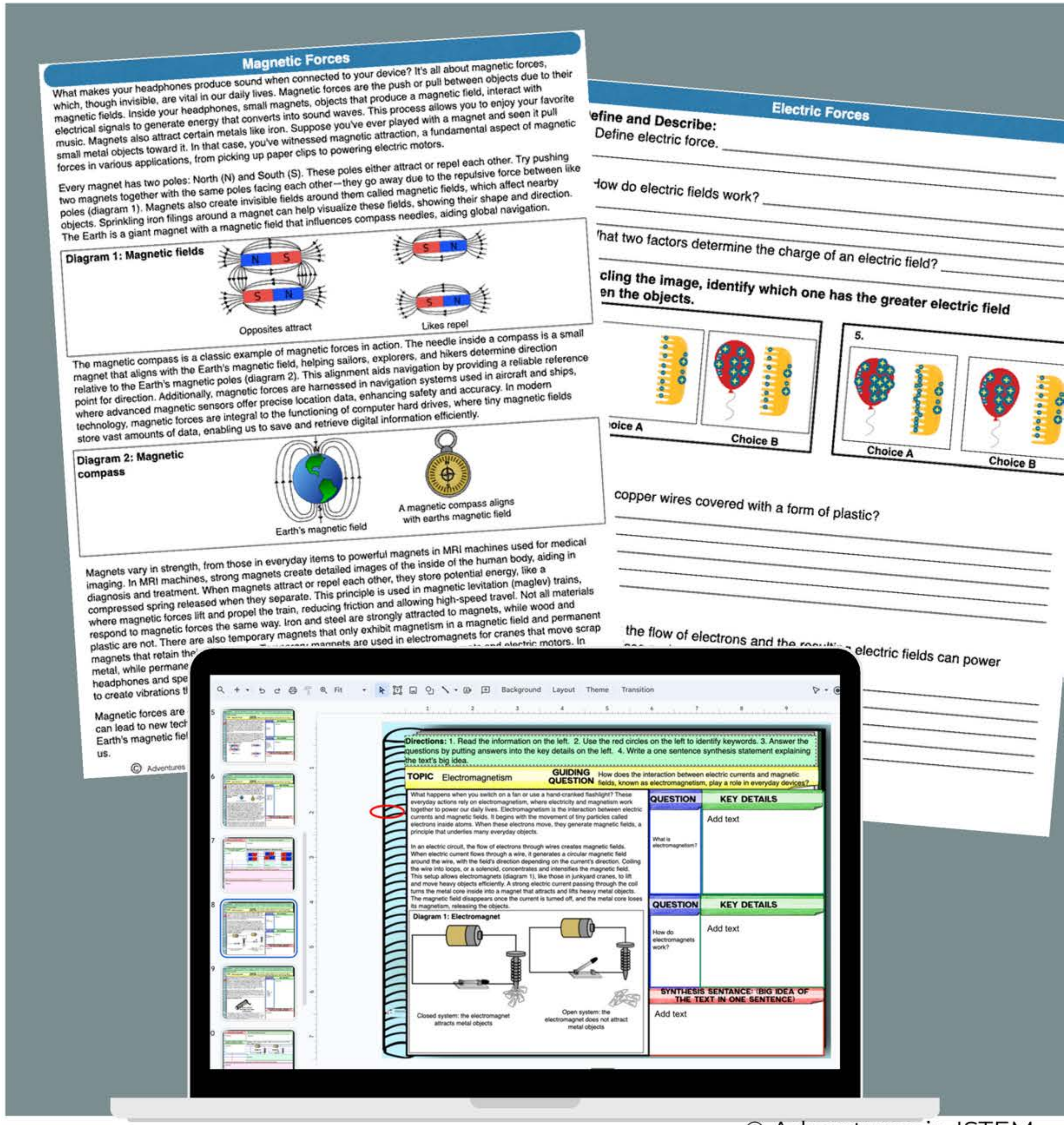


> “This was a great help for some of my lower level students who needed additional reinforcement on the concepts.- Trisha H.”

Included: Electromagnetism Science Reading

Covers

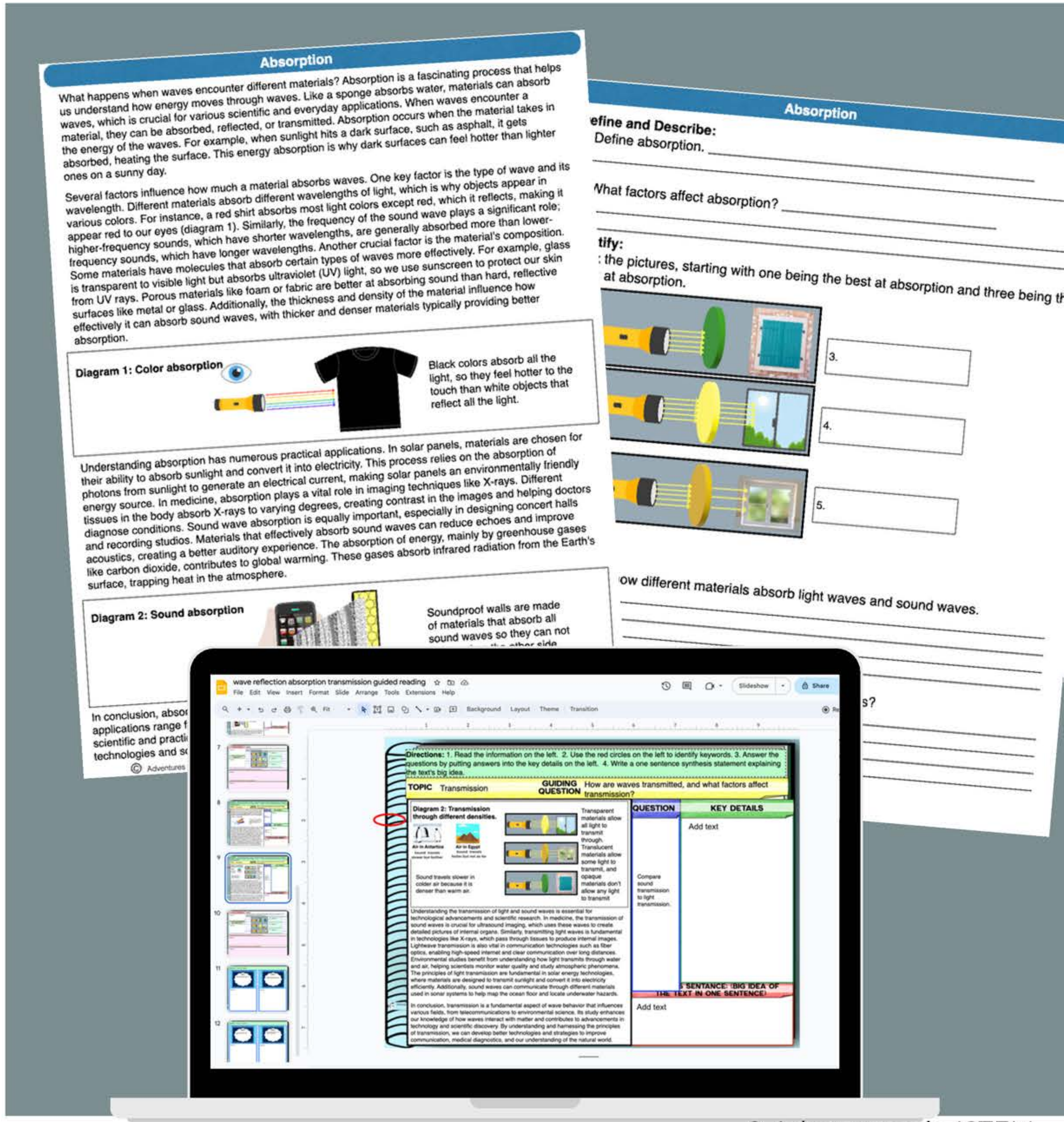
- ✅ Electric Forces
- ✅ Magnetic Forces
- ✅ Electromagnetism



Included: Wave (Reflection, Absorption, Transmission) Science Reading

Covers

- ✅ Absorption
- ✅ Reflection
- ✅ Transmission



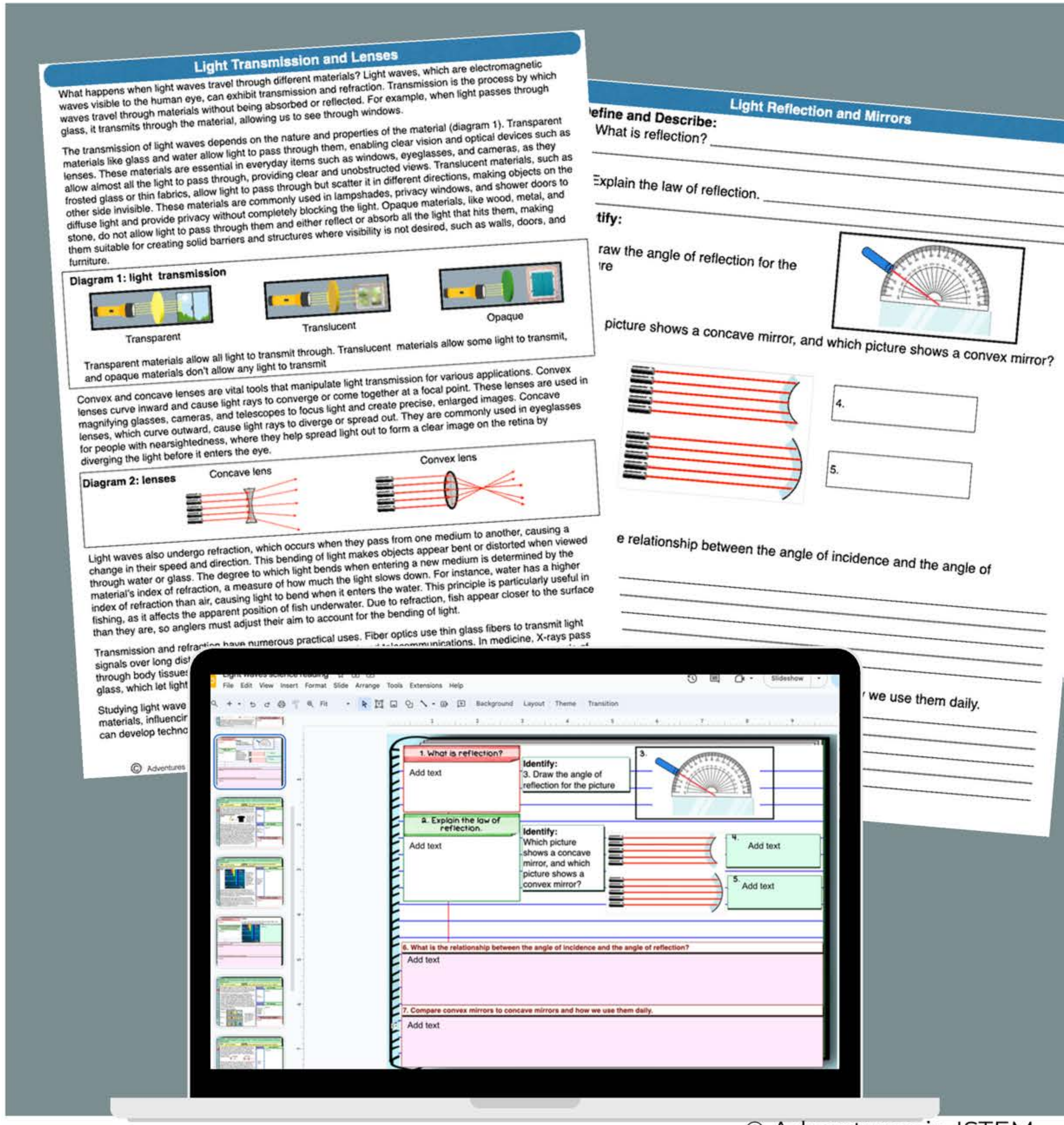
Included: Light Waves Science Reading

Covers

✅ Light Absorption

✅ Light Reflection with Mirrors

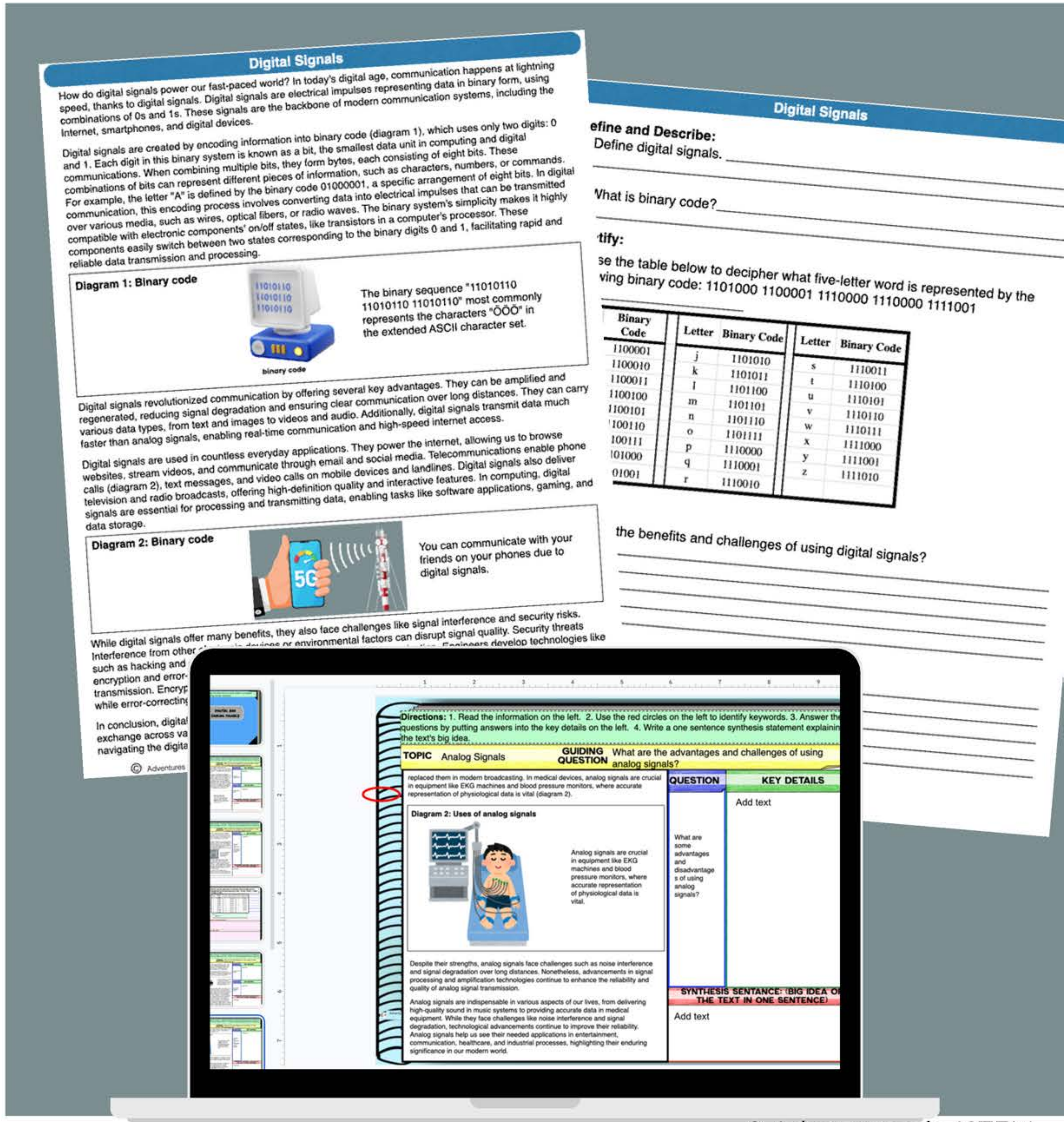
✅ Light Transmission with Lenses and angle of refraction



Included: Digital and Analog Signals Science Reading

Covers

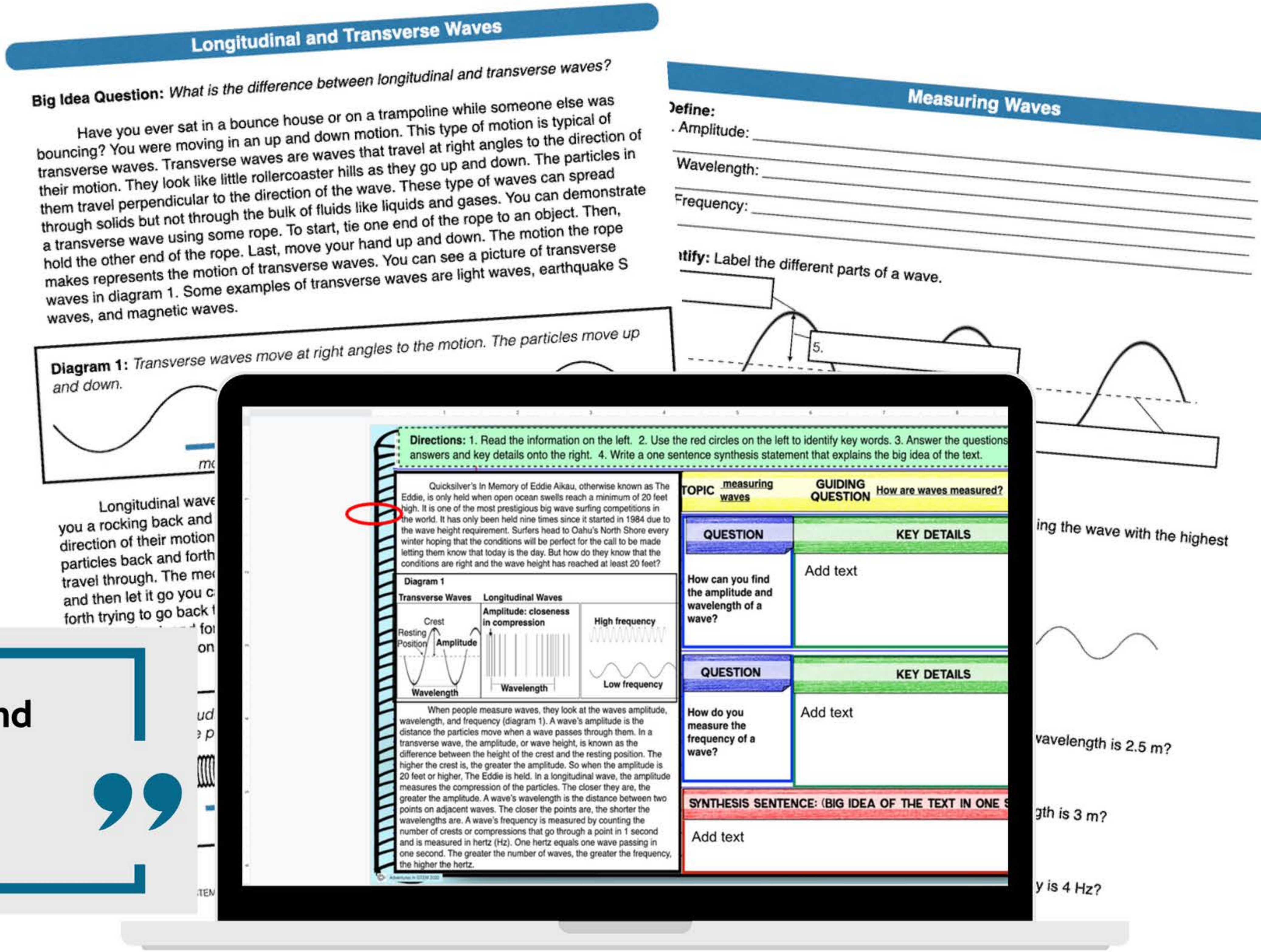
- ✅ Digital Signals
- ✅ Analog Signals



Properties of Waves Science Reading

Covers

- ✅ Longitudinal vs Transverse
- ✅ types of waves
- ✅ how to measure waves



> The reading is chunked well with clear diagrams and questions. Great resource for Waves Properties.- Sheila H.

Adventures in ISTEM

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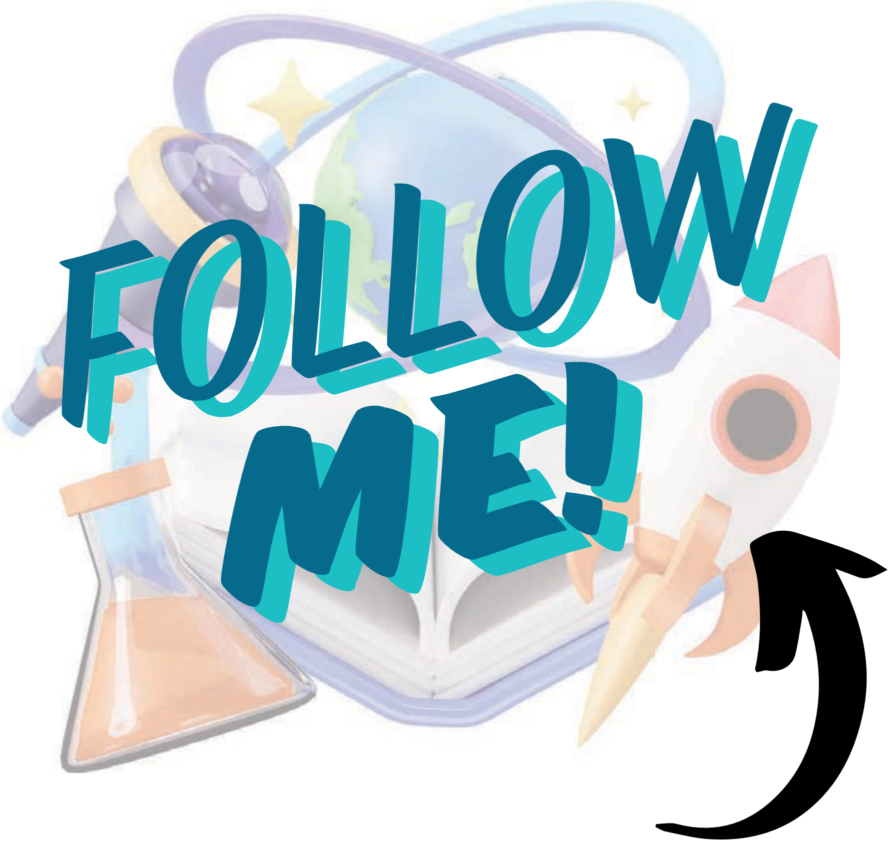

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