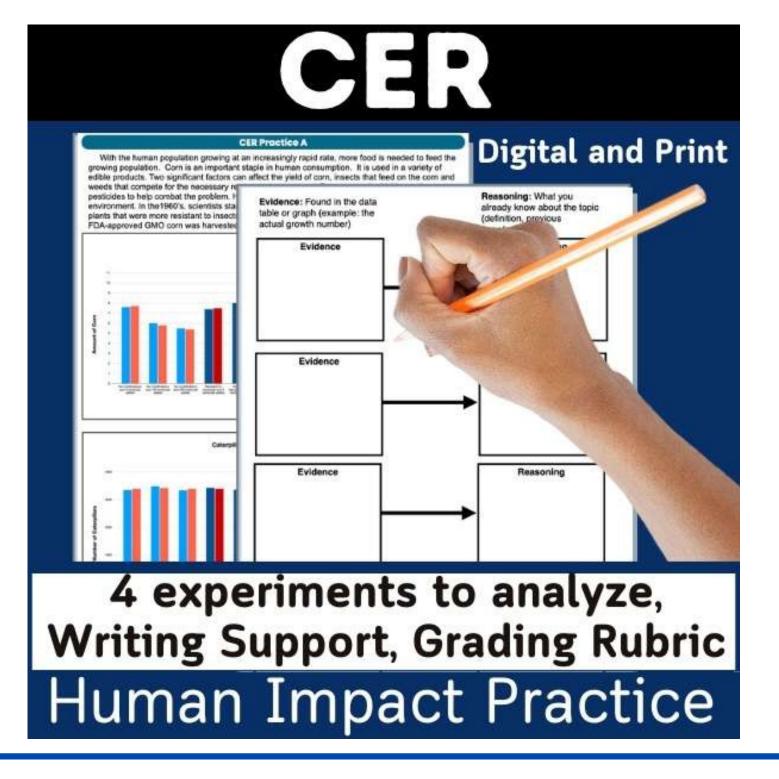
HUMAN INTERACTION

CER Practice

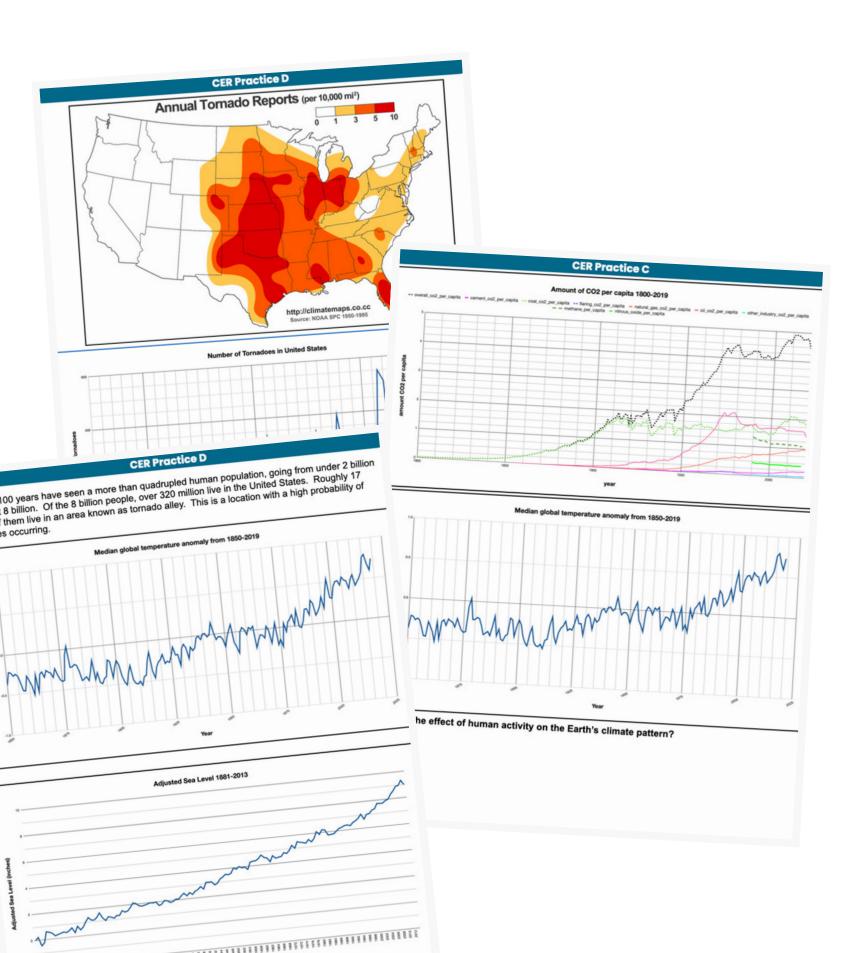


Scroll Through

To take a peek inside!

Help students analyze data, interpret graphs, pull out key details from passages, and then share their findings in a CER.

DO YOUR STUDENTS STRUGGLE WITH





(Interpreting graphs



(7) Finding the key details in passages



(V) Using evidence to support a claim



Using reasoning to link the evidence to the claim

J'ue Got You Covered

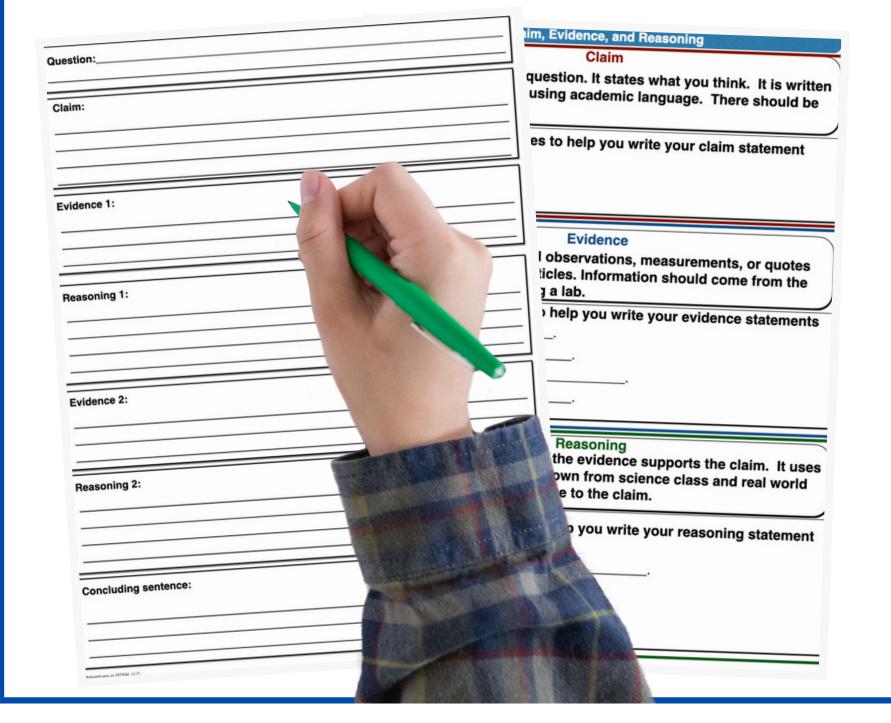
- Simple one page background information students can use for the reasoning
- Data tables and graphs to interpret
- Scenarios for students to pull out key details
- Graphic organizers to help students sort their evidence from their reasoning

"Students have been really focusing on CER this year in preparation for transitioning to high school. This proved to be challenging as they had to APPLY the context clues given in the written section and the lab results section. I loved that for them. It wasn't too easy! Definitely will be using again this year!"- Jaime S.

- Sentence support to help them write their CER
- Self-assessment check list

HUMAN IMPACT

CER Practice



What Are students Doing?

- Marking the text
- Analyzing and interpreting data and graphs
- Organizing their thoughts
- Answering the question prompt using claim, evidence, reasoning

Resourceincludes



4 science passages with data to interpret



Background reading passage about the topic



graphic organizer to organize evidence and reasoning



3 graphic organizers to help write their CER



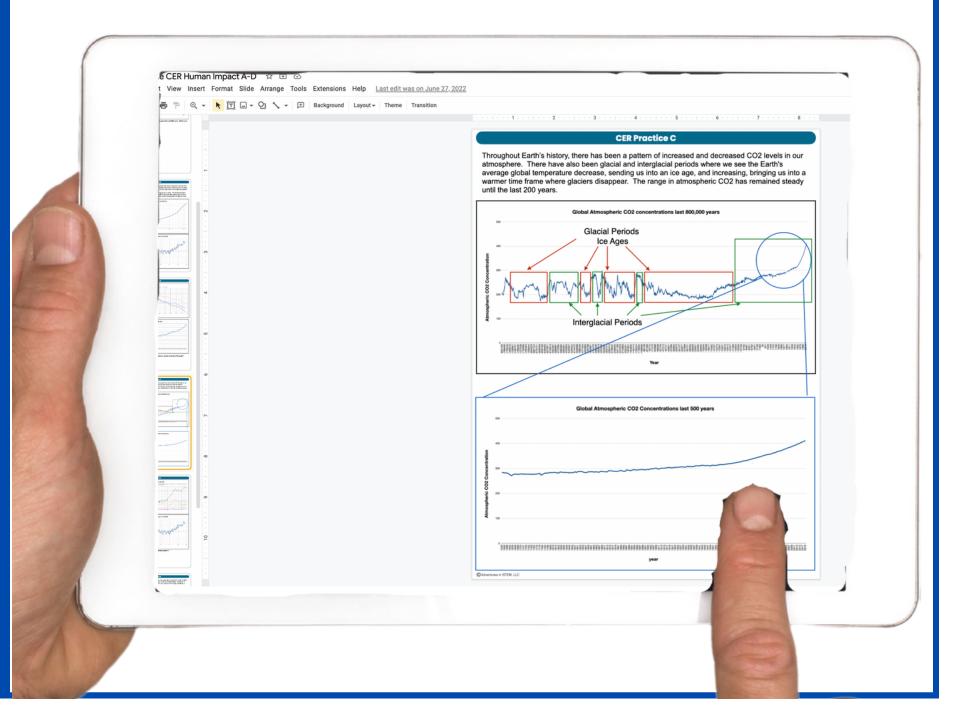
Grading Rubric with example answers



Sentence starters and student selfassessment checklist

HUMAN IMPACT

CER Practice



HOW TO USE THE 3 simple steps

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

Student CER self-assessment Includes the names of the chemicals in the experiment States if a chemical reaction occurred or not States the answer to the question States where the information comes from (according to the data, during the experiment..) Includes observations found in the data table Includes actual numbers when appropriate Explains how the evidence supports the claim ☐ States why the evidence is important mncludes a concluding sentence Mechanics No spelling errors No grammar errors Easy to read Includes transition words or sentences

HUMANIMPACT

CER Practice

Possible answer for CER Practice A

Question: There is a debate about whether GMO corn is better to grow than non-GMO corn. Which corn type, GMO or non-GMO, is better for the ecosystem?

The Impact of Human Population Background Informat

The human population has increased dramatically over the last 500 years. During the 1600s, the global human population was less than 500 million. By the 1800s, the population had doubled to 1 billion. Within 150 years, the population doubled again to over 2 billion by the 1950s. This was when an explosion in the human population occurred, and within 30 years, the global population again doubled to almost 5 billion by 1980. Although there has been a slight decrease in the rate of growth, we are still projected to once again double in population, reaching 8 billion by 1930.

Earth generally has seen a pattern of increasing and decreasing average global temperatures. These global temperatures have followed patterns of increasing and decreasing atmospheric CO₂ levels. The average range of atmospheric CO₂ levels up until the 1800s has been between 200 and 300. Extended periods of higher concentrations of CO₂ levels have been linked to significant ice ages in Earth's industrial revolution sent vast amounts of CO2 into our atm factors, has caused the atmospheric CO2 level to surpa 400. Before the 1800s, Earth's highest CO₂ level wa this increase in CO2 levels, we also see an increa last 100 years, the global temperature has incul occurring since 1975. It is roughly increasing

With an increase in global temperature, glaciers. In the 1980s, glaciers decreased 2000s, they are now decreasing to almost 9 glaciers contributes to the rise in sea level.

heat from the atmosphere and drive the weather. a rise in sea levels are creating a change in the ocea rise in carbon absorption is also changing the ocean's a temperature is causing many coral reefs to die off. Ocean c their habitats. Destroying the reefs could have a significant imp

organism. A genetically modified organism contains DNA that has been altered us engineering. These alterations are designed to improve the organism. Plants have genetically altered to grow larger, taller, produce more, and resist pests and her have been using a process of selective breeding to create organisms with desire long process, requiring many generations to obtain the outcome they desire. With engineering, the process can be produced in one generation. Some GMO organis

non-GMO corn is

.8 with no pesticides with pesticides. no pesticide and des has a vield of the ecosystem. ith non-GMO and o less than 500 with ion goes from herbicides or icides or

Oceans play a significant role in regulating the

Genetic engineering is the process of using technology to change the gene approved for human consumption like corn, soybean, salmon, and tomatoes to na

ecosystem ecrease shows

GMO (Genetically Modified Organisms)

Check out what teachers just like you have said about products like this:



"Great resource to teach the process of CER. Students were very engaged!"- Christina

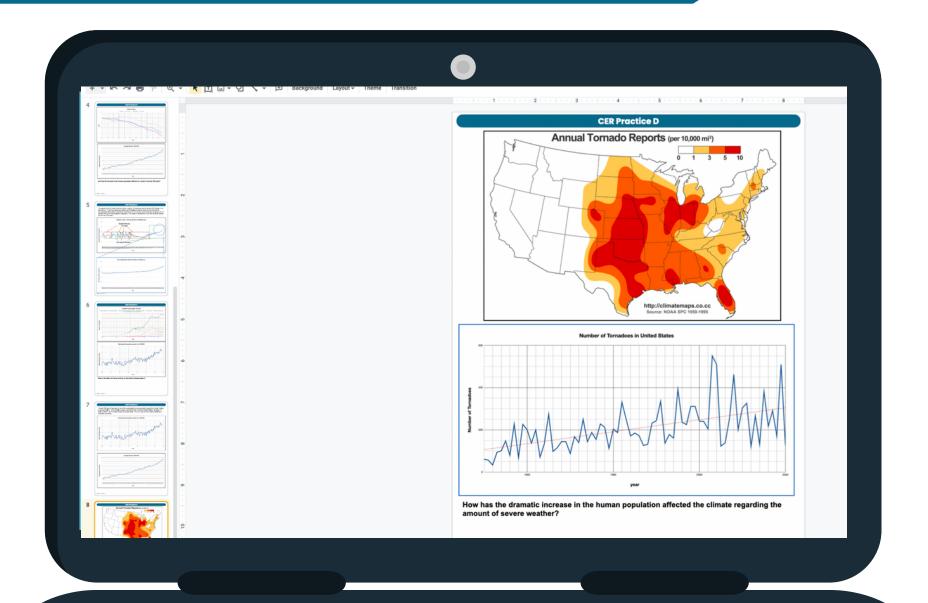


"Great resource for incorporating literacy/comprehension into the science classroom"- Kimberly



"Always looking for CER activities that i can just quickly upload"- Southern Bayou Teaching

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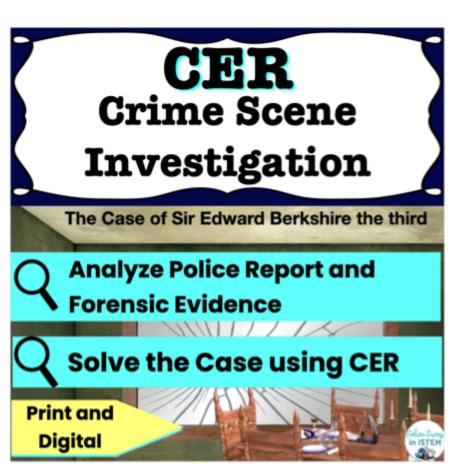
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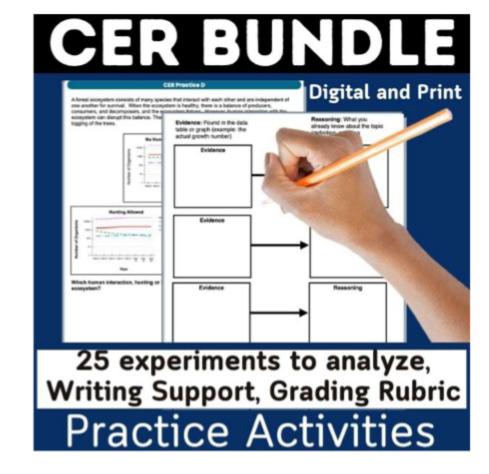
All About CER



Get started with CER with this Crime Scene Investigation



Help students master CER with these simple steps. Watch the video!



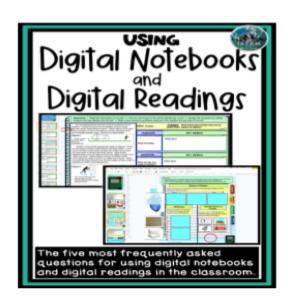
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Teaching STEM Through Inquiry

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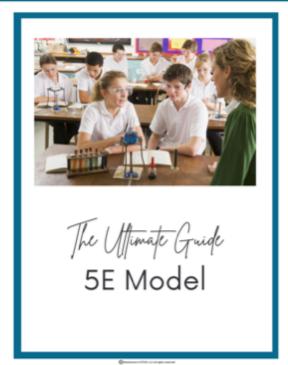
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