

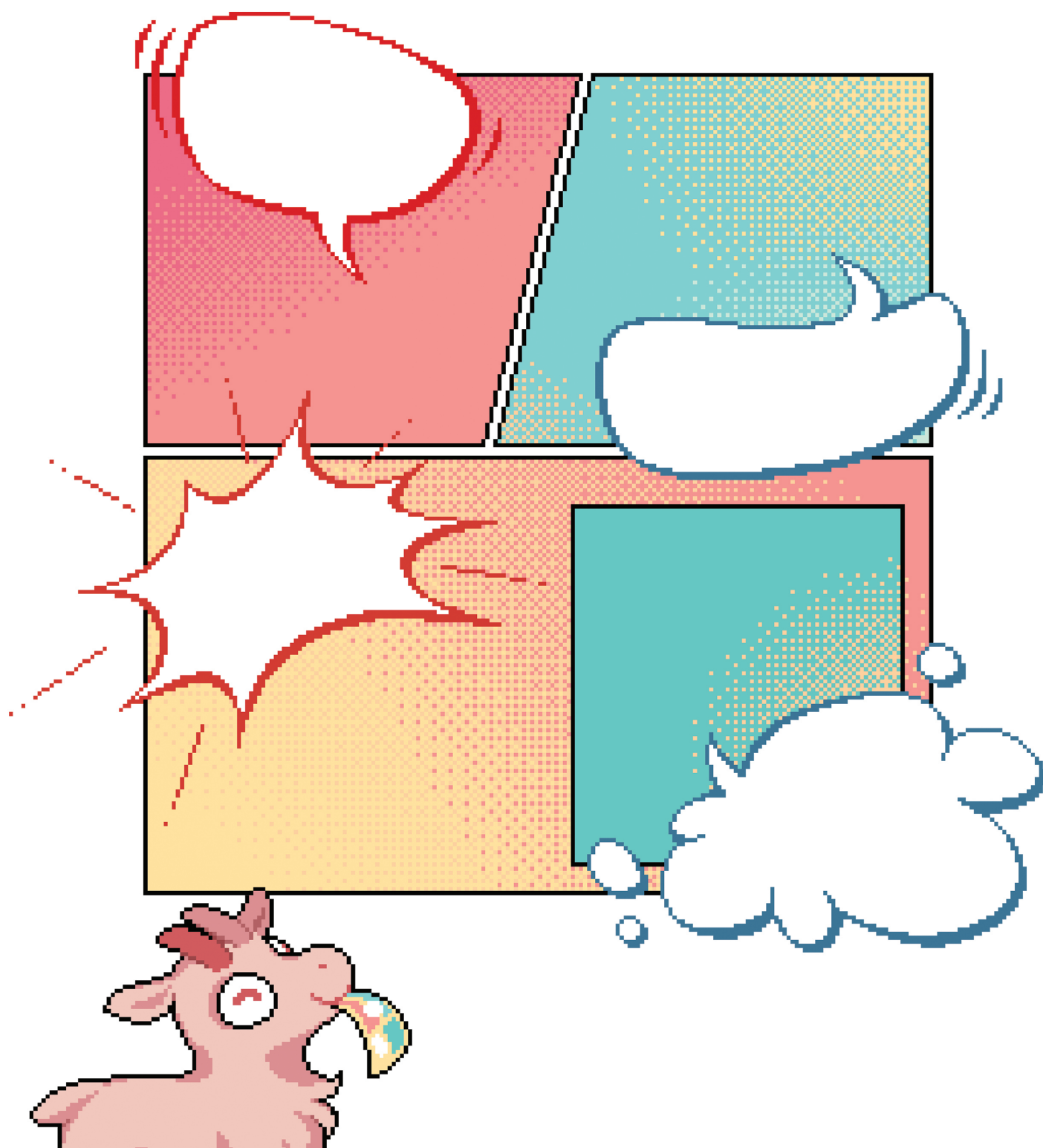
Name: _____

Date: _____

Carbon Quest: Mind Challenge

Activity 1: CO₂ Comic Strip

Draw a comic strip about a day in the life of the chemical compound Carbon Dioxide. Consider its origin, how it exists in our community, on the planet, and within the atmosphere.



Name: _____

Date: _____

Activity 2: Writing About CO₂

Use the following sentences to summarize how Dr. Stem explains the way CO₂ interacts with the planet, the Earth's atmosphere, and our local communities.

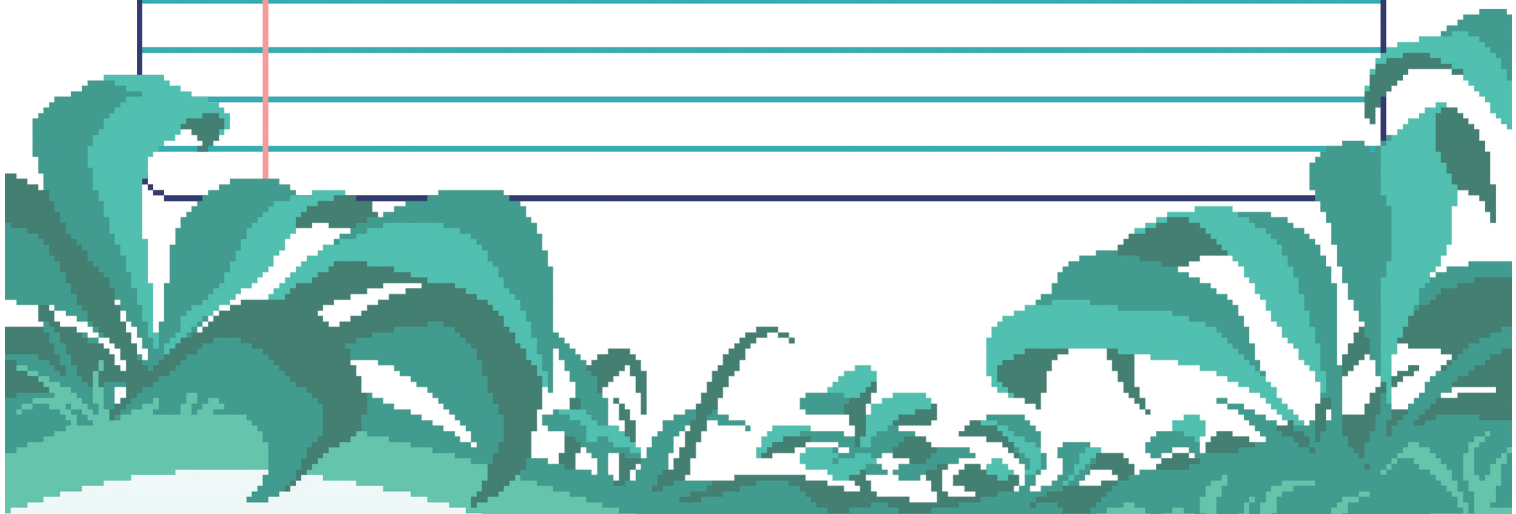
It is a greenhouse gas and a fossil fuel.

When trapped, it creates heat to keep the Earth warm.

It is both used by and released into the atmosphere.



Add in specific vocabulary words and details from the lessons, your prior knowledge and observations, and/or the video to strengthen your writing.

A large, blank, lined notebook page with a red margin line on the left side. The page is designed for writing a summary or report.

Name: _____

Date: _____

Activity 3: Mini-Research Project

In this mini-research activity, Students explore resources from published databases to provide their own evidence and understanding about how Carbon is evaluated in the scientific community and how the results have influenced solutions to address the amount of Carbon in the atmosphere.

Information from the following free databases have been vetted to express how Carbon is studied and how the results have influenced solutions to address the amount of Carbon in the atmosphere.

ERIC

<https://eric.ed.gov/>

GOOGLE SCHOLAR

<https://scholar.google.com/>

MERLOT

<https://www.merlot.org/merlot/index.htm>

CORE

<https://core.ac.uk/>

WORLDWIDESCIENCE

<https://worldwidescience.org/>

Students, make sure to cite your articles and evidence to give credit to the author, but summarize in your own words what you have read and your own understanding as the researcher to discuss with your class/group/partner!

