



Name: _____

Class: _____ Date: _____

Contest: Three Greenhouse Gases

An activity of "The hunt for methane leaks"

Read "The hunt for methane leaks" (page 10, *What's Up* September 2021) to learn about methane as a greenhouse gas. There are other infamous greenhouse gases — three of the most well-known are carbon dioxide, methane, and nitrous oxide. Pit your wits against other *What's Up* readers by taking part in this contest.

STEP 1: Gather as much information as you can about these three greenhouse gases. You may look through library books, surf the internet,

and ask someone who knows chemistry. Use this table to list facts, in point form, about each of the three gases.

Here are two safe links that are good to start with:

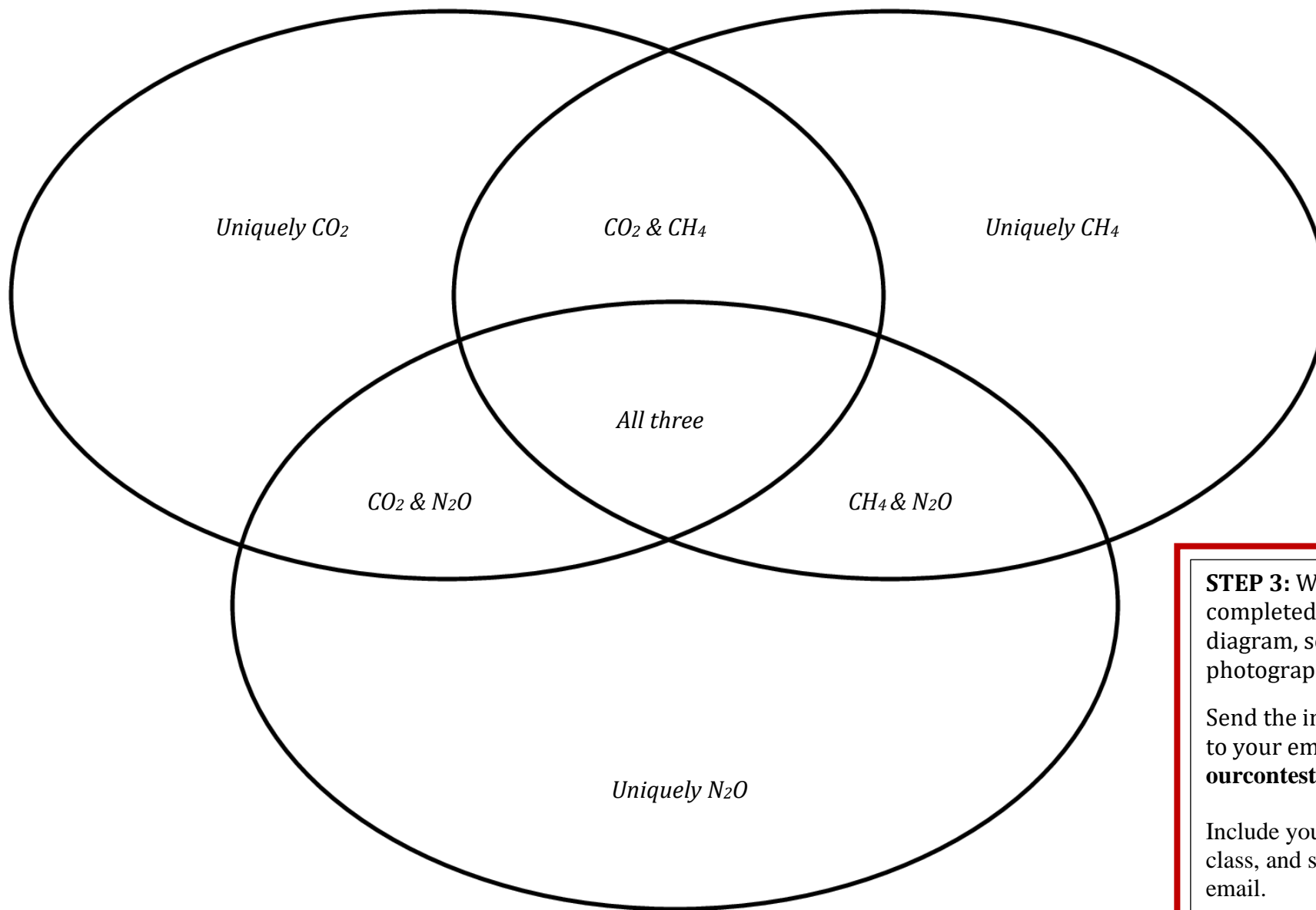
- <https://climatekids.nasa.gov/greenhouse-cards/>
- <https://climate.mit.edu/explainers/greenhouse-gases> .

If this table is too small, draw a bigger one on a fresh sheet of paper.

Guiding questions	All about Carbon Dioxide	All about Methane	All about Nitrous Oxide
<ul style="list-style-type: none">• Which atoms are in each molecule?• What is its molecular formula?• How is it a useful gas?• What releases this gas into the air?• Why is it called a greenhouse gas?• How can we reduce its harmful effects?• Any other facts about it?			

STEP 2: Compare and contrast the three gases. Identify what each gas has in common with one or even two of the other two gases. In point form, plug these commonalities as well as differences in the correct sections of the

Venn circles below. If you need more space, you may draw this Venn diagram onto a larger sheet of paper. You can either handwrite or type your input.



STEP 3: When you have completed your Venn diagram, scan or photograph it.

Send the image attached to your email to:
ourcontest@whatsapp.sg

Include your full name, class, and school in your email.

DEADLINE: 5 NOV 2021