

LET'S TALK LANDFILLS (HINT.. IT'S NOT A DUMP)



A LOT OF PEOPLE
CALL IT A DUMP!

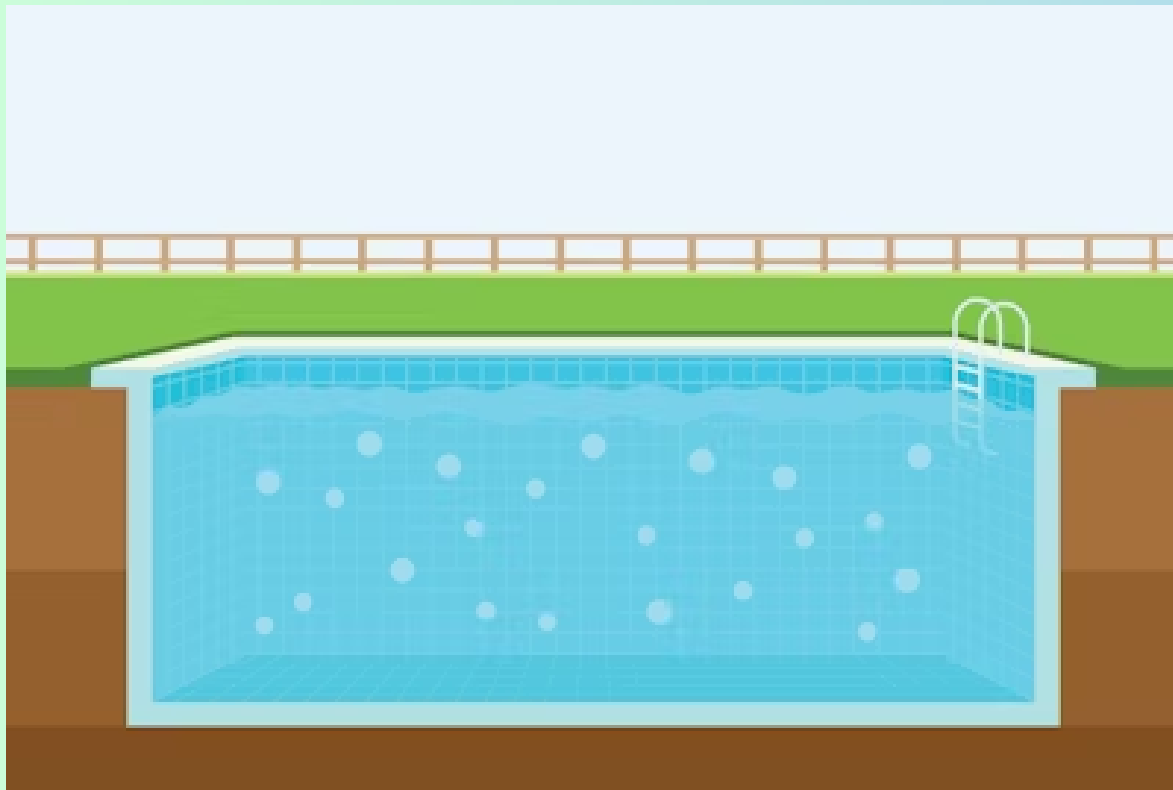
BUT IT IS ACTUALLY
A SANITARY LANDFILL!



DUMP

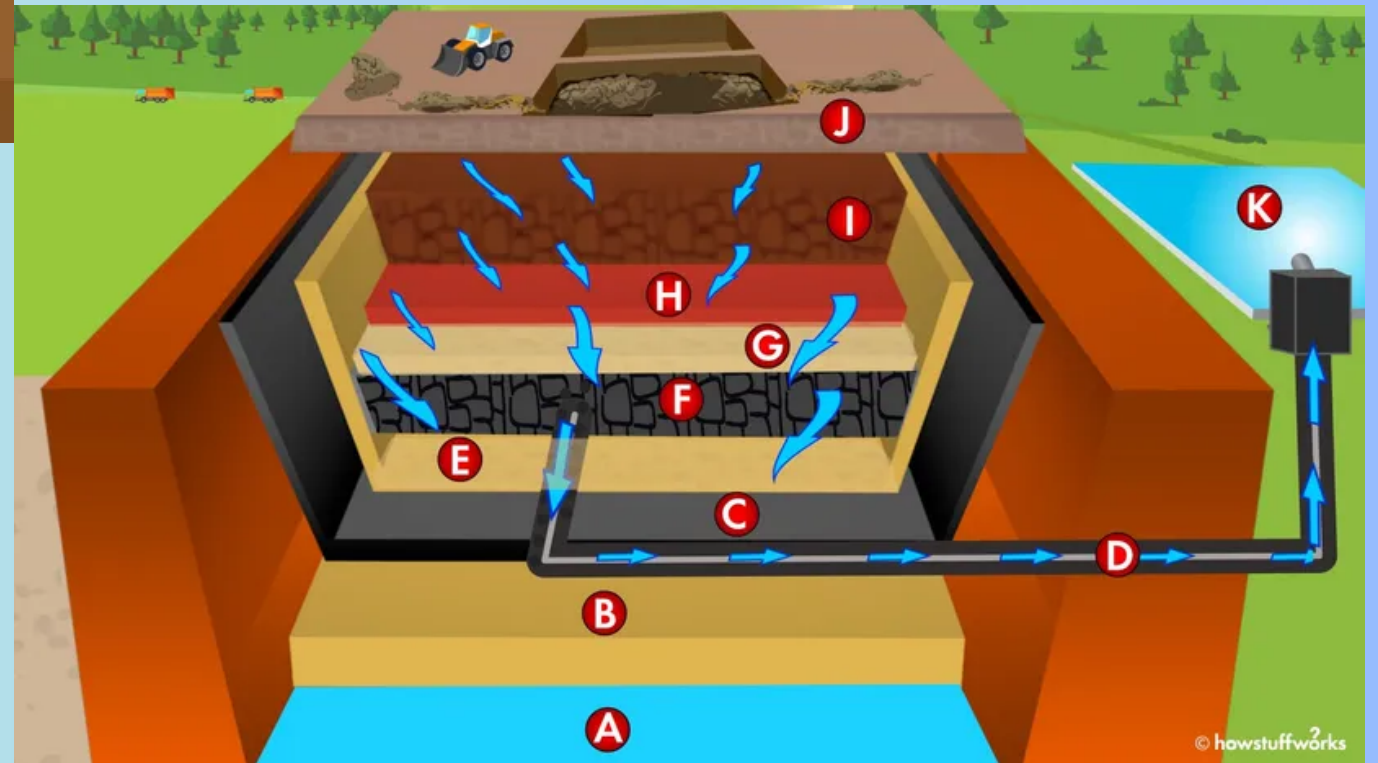
**HOLE IN THE GROUND WHERE
GARBAGE IS THROWN WITH NO
REGULATIONS OR PROTECTION
FOR THE ENVIRONMENT.**





**A STRUCTURED AREA
FOR GARBAGE
DISPOSAL WITH
REGULATIONS AND
STRICT PROTECTION
FOR THE ENVIRONMENT.**

SANITARY LANDFILL

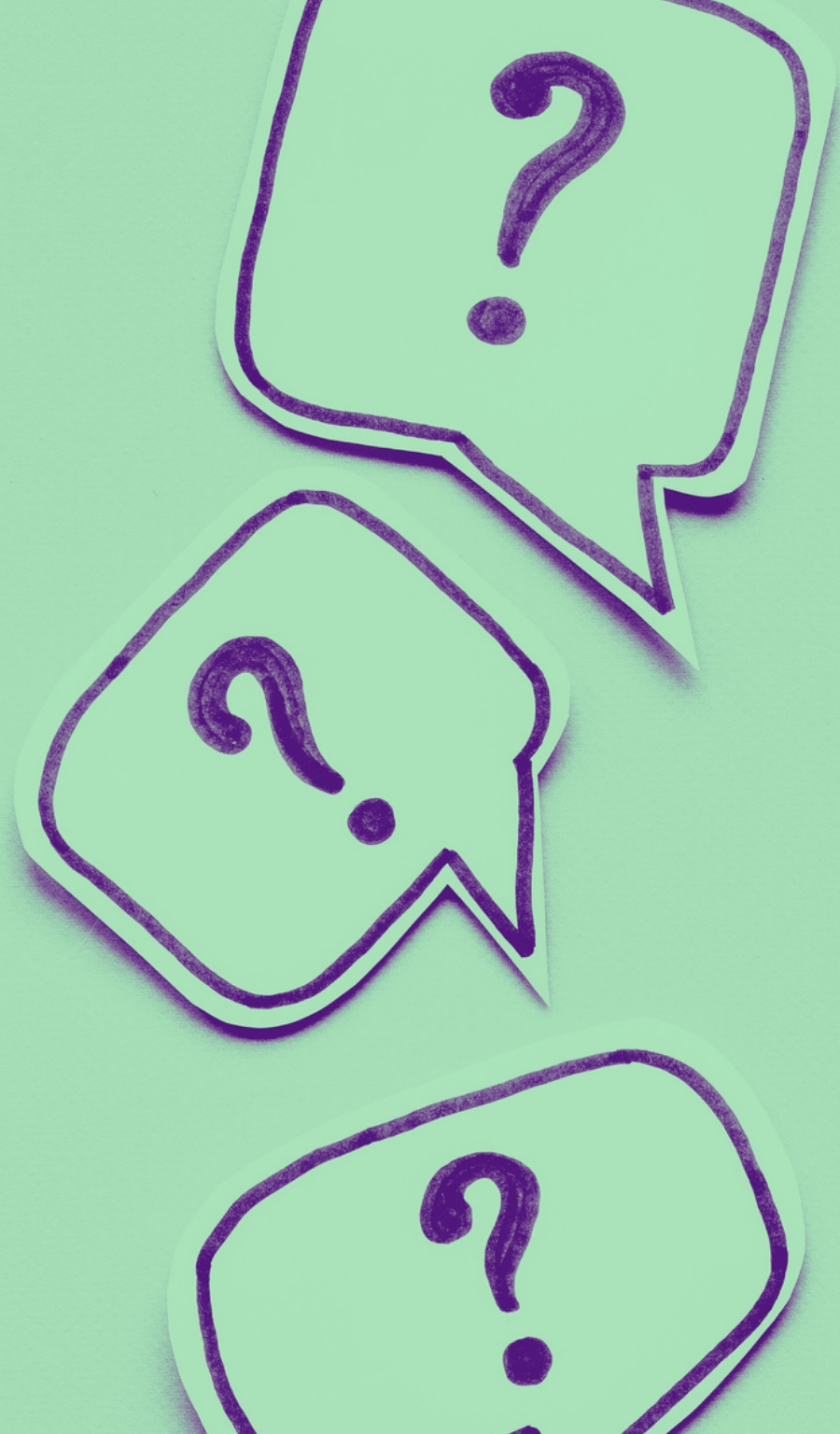


**THINK 30 YEARS INTO
THE FUTURE.....**



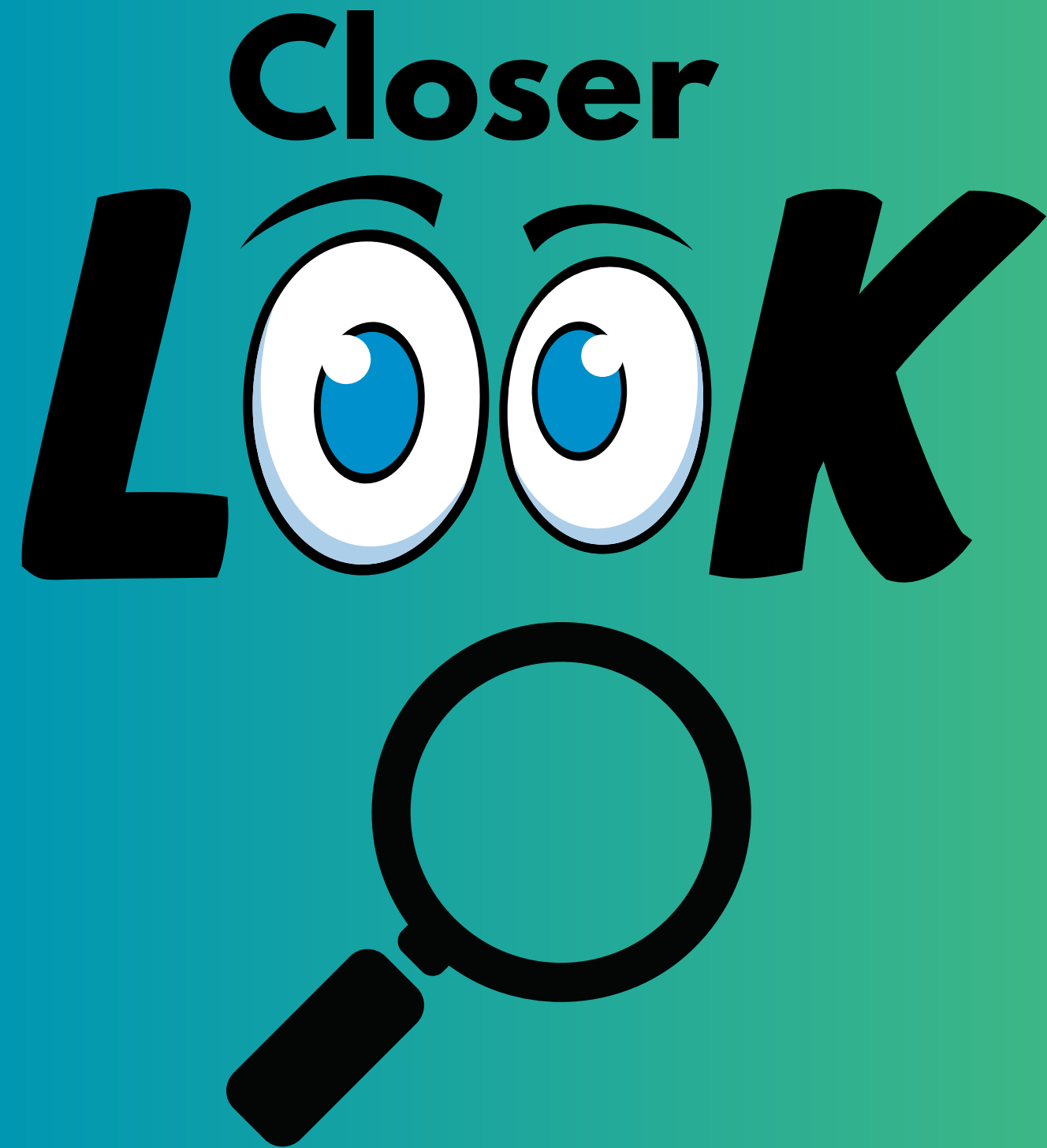


**AFTER THIS
GARBAGE
HAS BEEN
BURIED
UNDER DIRT
FOR 30
YEARS....**



**IF WE DUG IT
UP, WHAT
WOULD IT
LOOK LIKE?**





CORE
SAMPLES
FROM
1977

PULLED IN
2010

7

WHAT IS ACTUALLY IN THE LANDFILL?

6

8

THE MATERIALS THAT MAKE UP OUR LANDFILL

Percentages based on MDNR 2017 Waste Sort



5

3

2

4

1

HOW MUCH OF THAT CAN ACTUALLY BE RECYCLED?

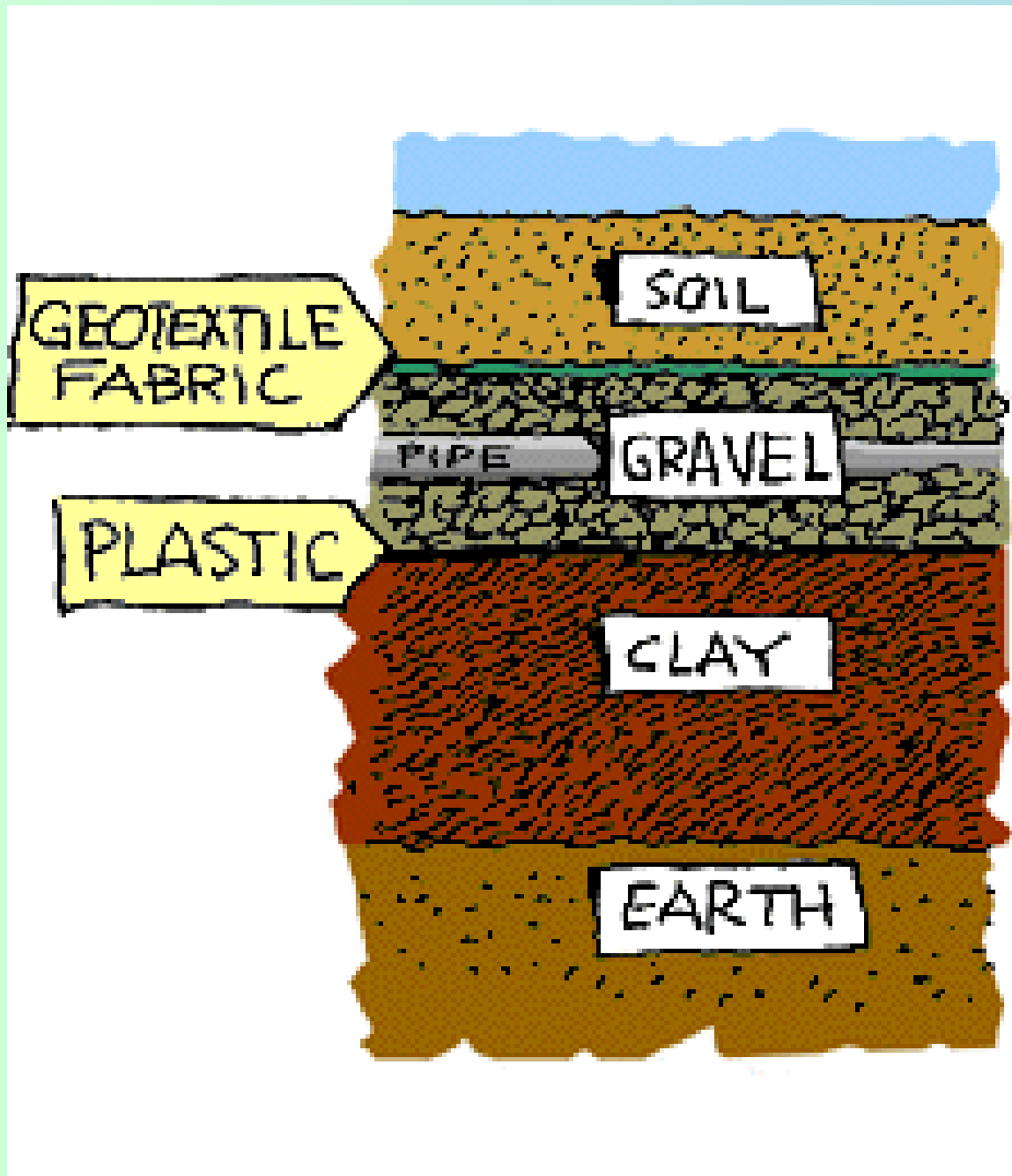


**JOHNSON CANYON LANDFILL~ GONZALES, CA
THIS IS WHERE YOUR GARBAGE GOES!**



JOHNSON CANYON LANDFILL GONZALES MODULE 7

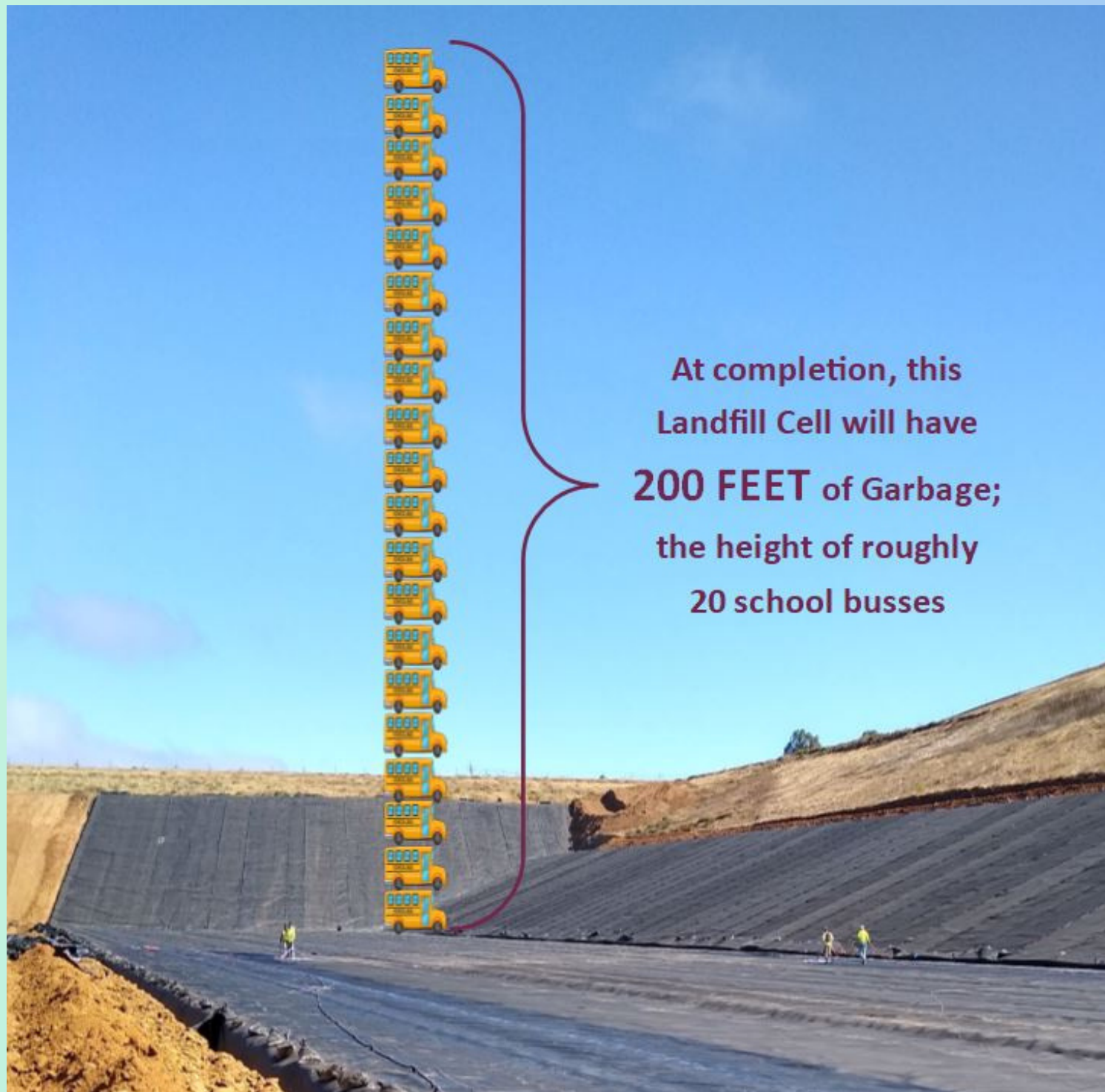




**LANDFILLS ARE
LIKE PARFAITS**

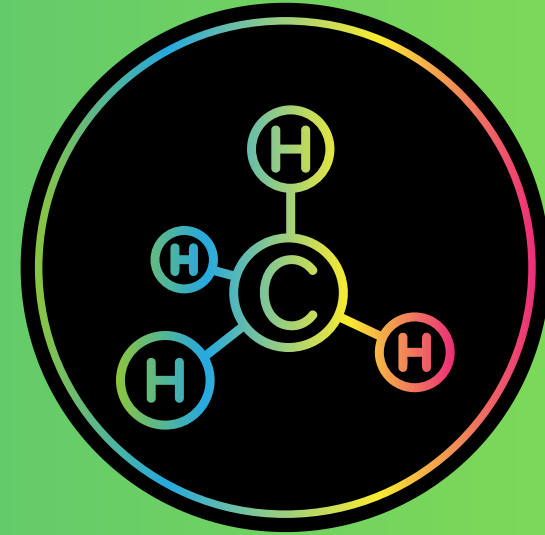
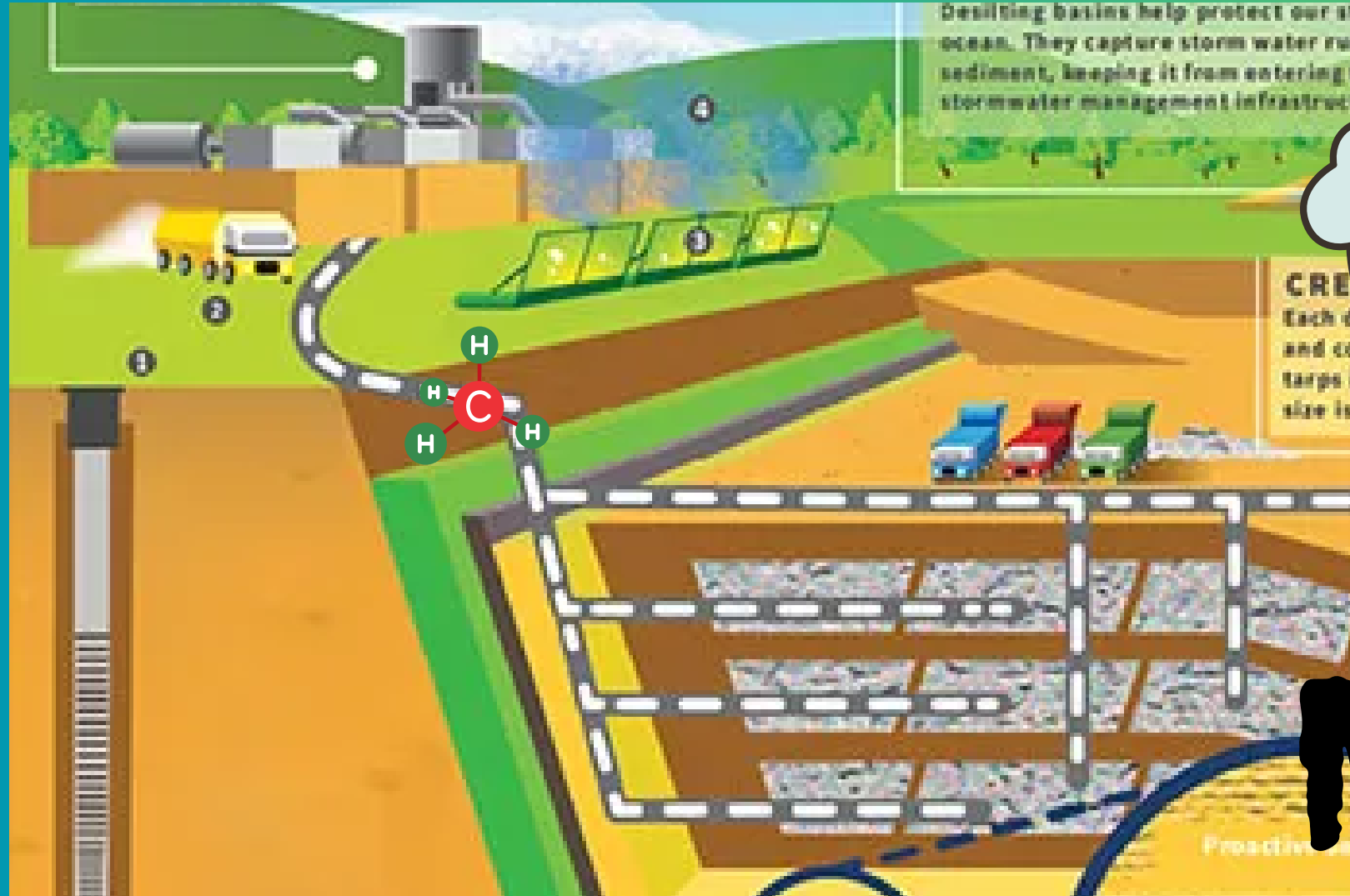
THEY HAVE LAYERS!

**EACH LAYER PROTECTS
THE EARTH AND
SPECIFICALLY THE
GROUND WATER FROM
CONTAMINATION**



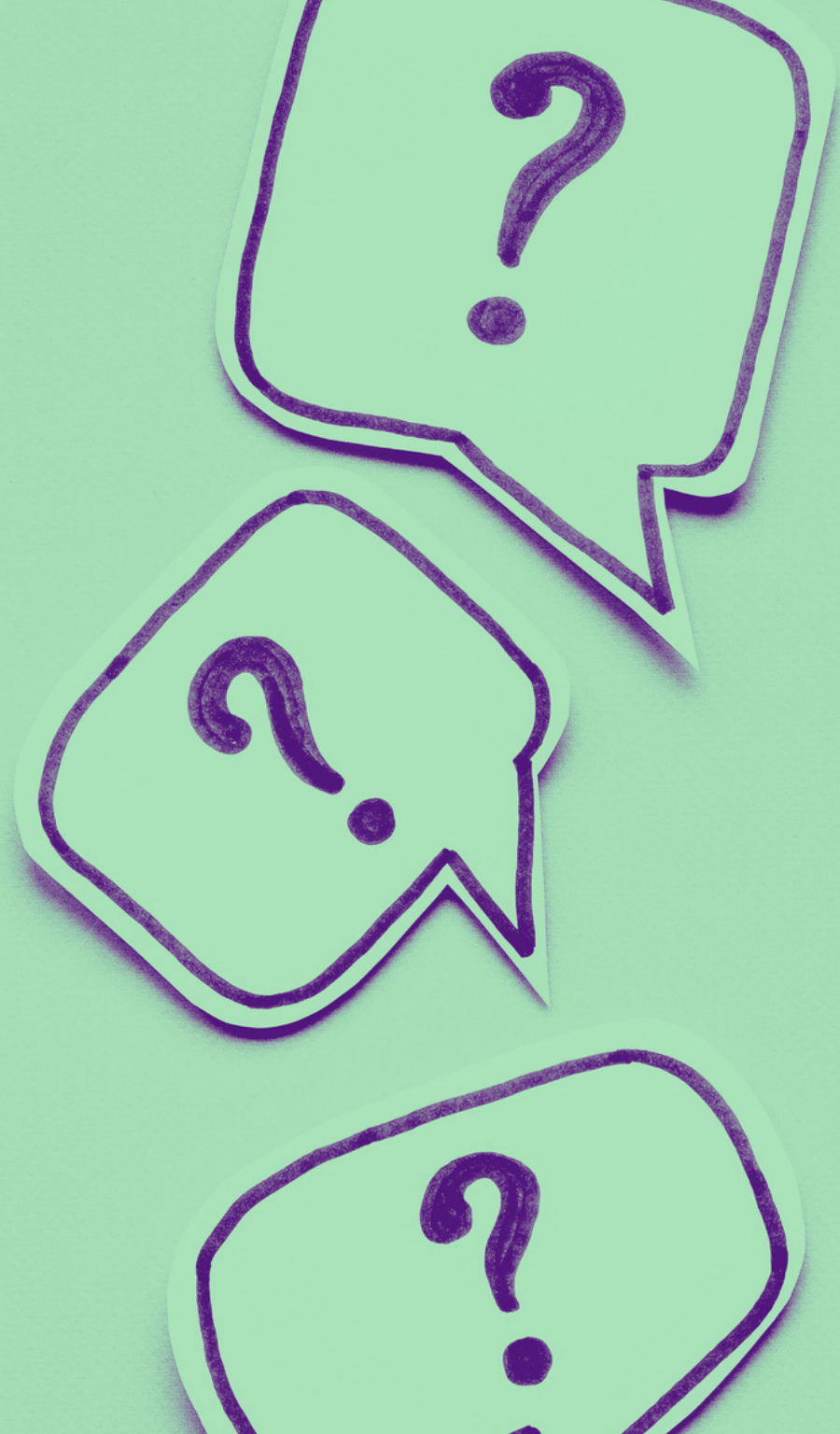
At completion, this
Landfill Cell will have
200 FEET of Garbage;
the height of roughly
20 school busses

LET'S TALK LANDFILL GAS



METHANE!

**WHERE DOES
LANDFILL
METHANE COME
FROM?**

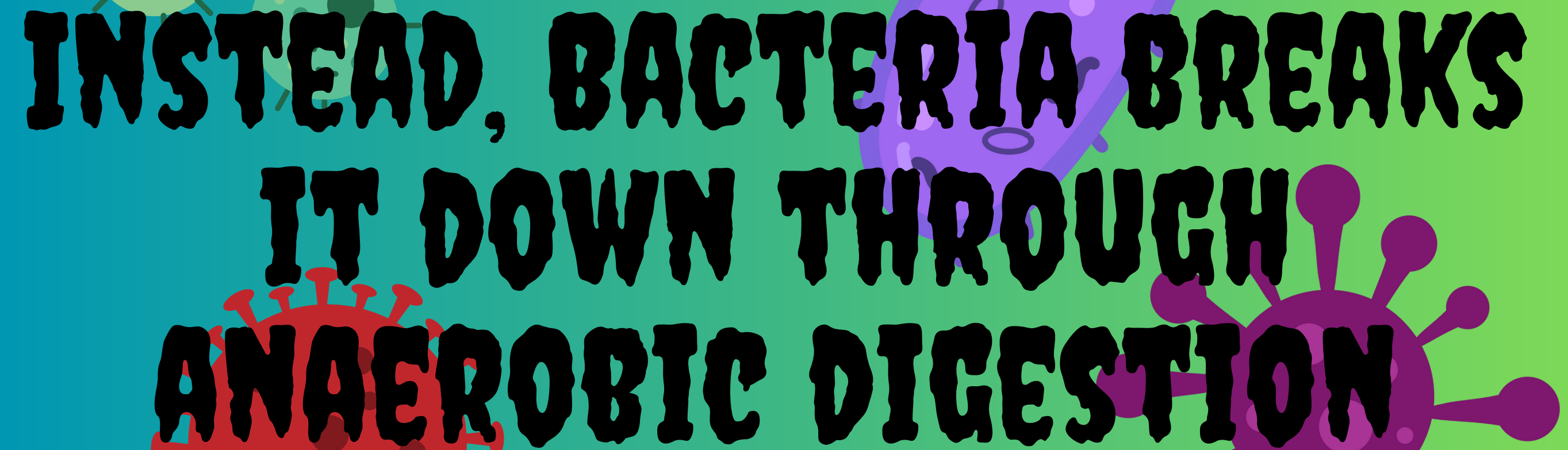




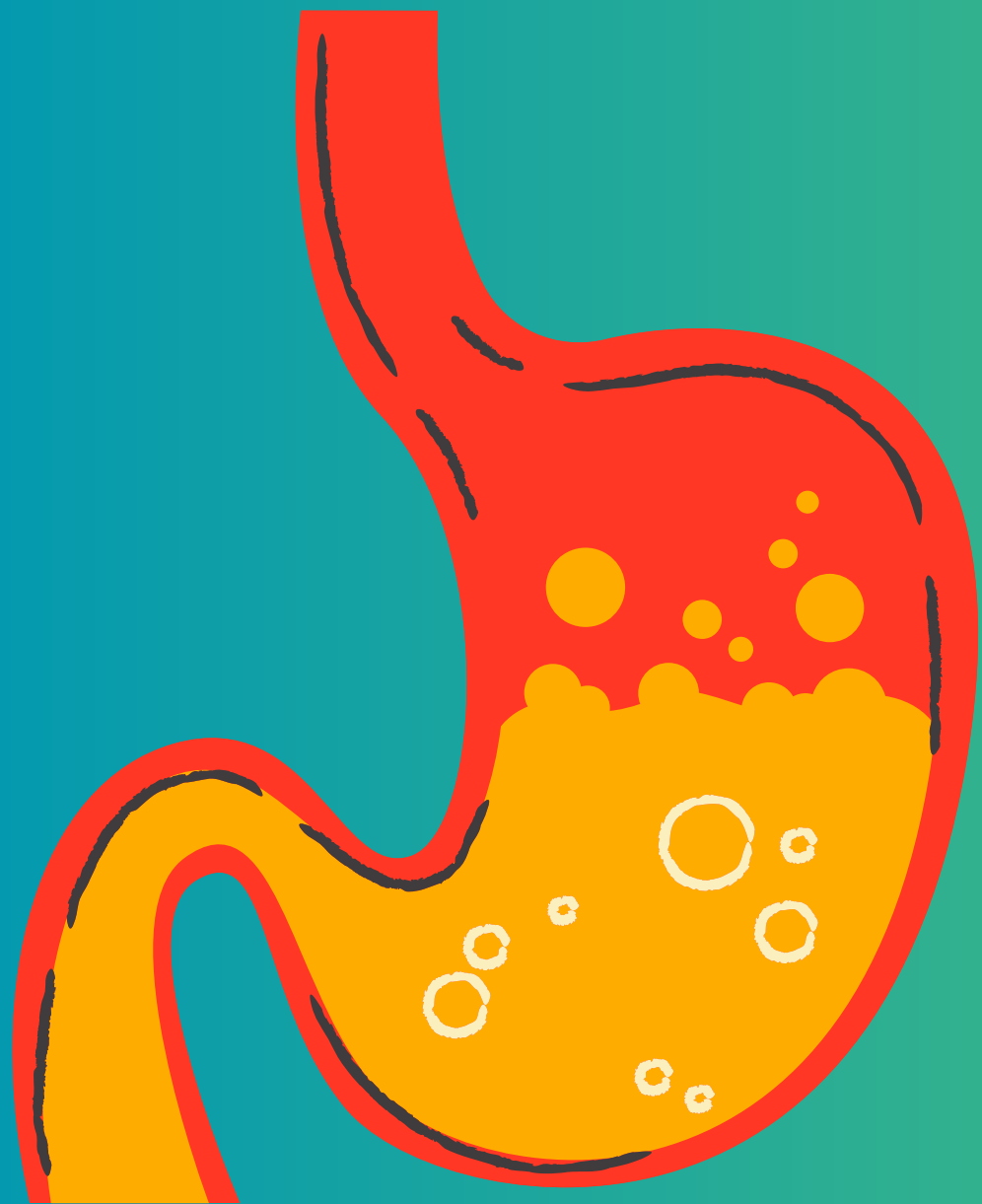
ORGANICS FOOD & YARD WASTE



**WITHOUT ACCESS TO
OXYGEN AND WATER, FOOD
WASTE DOES NOT ROT (OR
AEROBICALLY DIGEST)....**

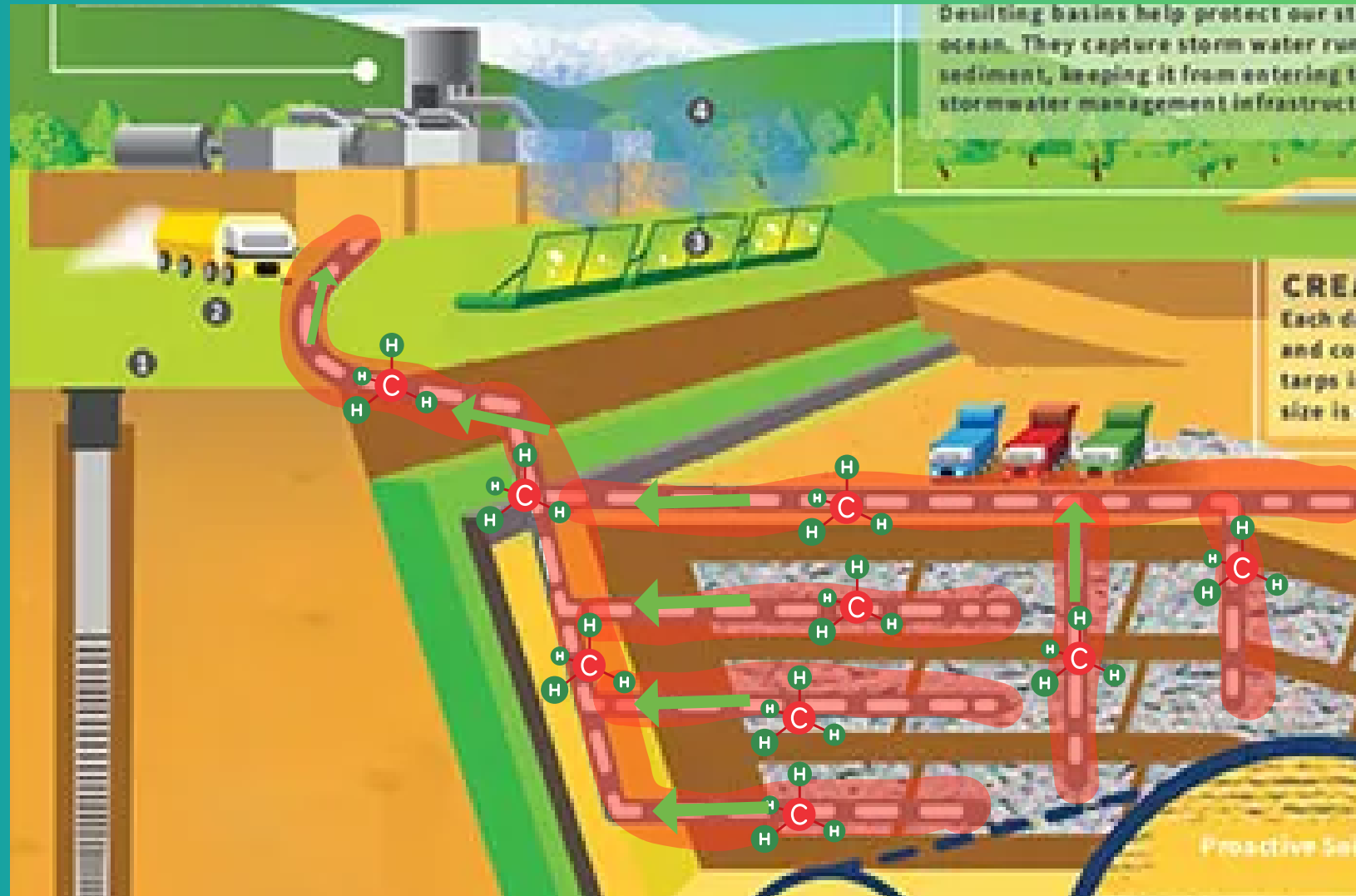
The background features a green-to-blue gradient. There are four stylized microorganisms: a green rod-shaped bacterium with flagella in the top left, a purple rod-shaped bacterium with flagella in the top right, a red spherical virus with spikes in the bottom left, and a purple spherical virus with spikes in the bottom right. The text is centered and reads:

**INSTEAD, BACTERIA BREAKS
IT DOWN THROUGH
ANAEROBIC DIGESTION**



**ANAEROBIC
DIGESTION
CREATES
METHANE GAS**

WE CAPTURE THE METHANE.....



JOHNSON CANYON LANDFILL

METHANE USE:

24.6%
TURNED INTO
ELECTRICITY



75.4%
FLARED
OFF

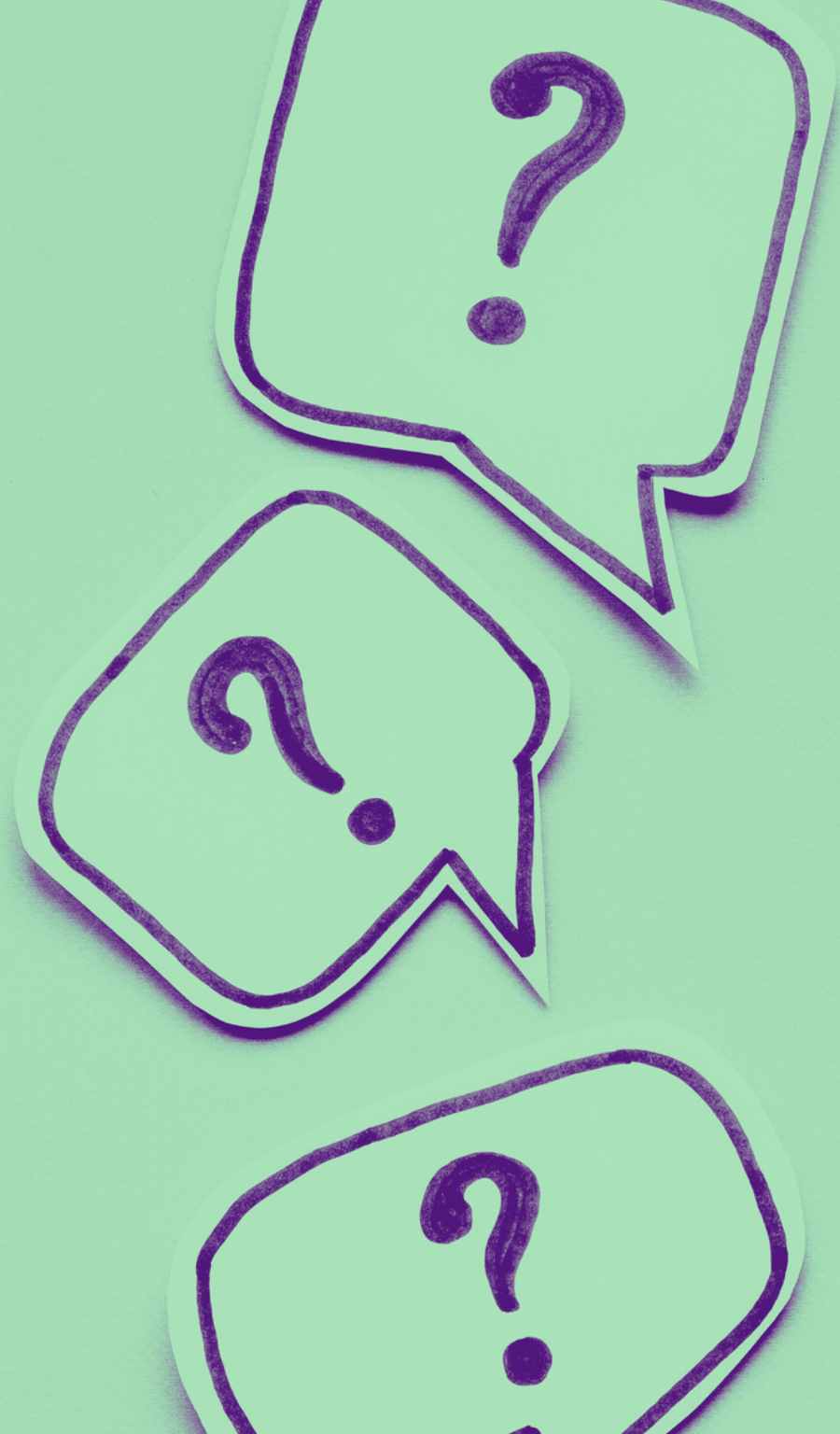


**METHANE GAS
IS BAD FOR THE
ENVIRONMENT!**

**MOST METHANE
IS MADE BY SOMETHING
THAT HUMANS
DO!**

**ALMOST ALL METHANE FROM
LANDFILLS IS FROM FOOD
WASTE & YARD WASTE!**

**WHAT DO
YOU DO
WITH YOUR
FOOD
SCRAPS ?**



**THE AVERAGE AMERICAN CREATES
400 LBS (EACH!) OF
FOOD SCRAPS
EVERY YEAR.**



IT IS THE LAW THAT ALL EVERYONE RECYCLE THEIR FOOD SCRAPS!



**GAME TIME
IF IT GROWS,
IT GOES!**

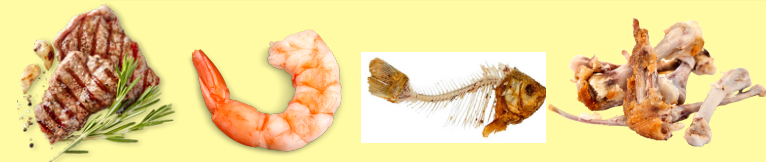


ACCEPTABLE FOOD SCRAPS

DESPERDICIOS de COMIDA ACEPTABLES



Fruits & Vegetables
Frutas y Vegetales



Cooked Meat & Bones
Carne Cocidas
y los Huesos



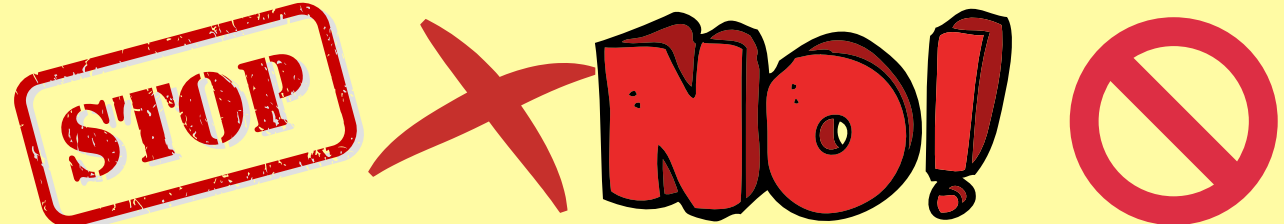
Leftover Food
Despericios de Comida



Dairy
Lacteos



Grains
Granos



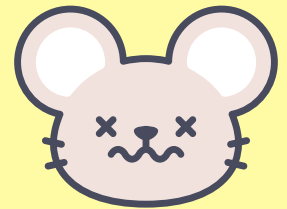
UNACCEPTABLE MATERIAL

MATERIAL NO ACEPTABLE

No Liquids (milk, juice, and other beverages - pour liquids in the sink)
No Líquidos (leche, jugo y otras bebidas; vacié líquidos en el lavadero)

No Raw Meat or Bones
No Carne Cruda y huesos cruda

No Oil or Grease
Sin Aceite ni Grasa



REC



SHORT VIDEO

LEFTOVER LUNCH

A light blue recycling bin is the central focus, with various cartoon food items placed around it. In the top left is a smiling sandwich with lettuce, cheese, and tomato. In the top right is a smiling strawberry. In the bottom left is a smiling carrot. In the bottom right is a smiling green apple. The background shows an outdoor patio area with a green and white checkered tablecloth and a potted plant.

THE ADVENTURES OF YOUR LEFTOVER LUNCH!



COMMON TYPES OF COMPOSTING

**BACKYARD
COMPOSTING**

**Aerated
Static
Pile**

VERMICOMPOSTING

AERATED STATIC PILE (A.S.P.)







BACKYARD COMPOSTING



PREPARED BY
MANAGING THE AEROBIC
DECOMPOSITION OF
ORGANIC MATERIALS
LIKE YARD DEBRIS,
GRASS, LEAVES,
KITCHEN SCRAPS,
PAPER, MANURES,
STRAW, HAY, WOOD
CHIPS AND SAWDUST

VERMICOMPOSTING



VERMICOMPOSTING IS A PROCESS THAT RELIES ON EARTHWORMS AND MICROORGANISMS TO HELP STABILIZE ACTIVE ORGANIC MATERIALS AND CONVERT THEM TO A VALUABLE SOIL AMENDMENT AND SOURCE OF PLANT NUTRIENTS.

The BIG question!

WHY IS RECYCLING YOUR
FOOD SCRAPS
SOOOOOOOO IMPORTANT?

ANSWER

- TO REDUCE METHANE GAS
- MAKE SPACE IN THE LANDFILL (ALSO GREAT ANSWER)