BioGas Video

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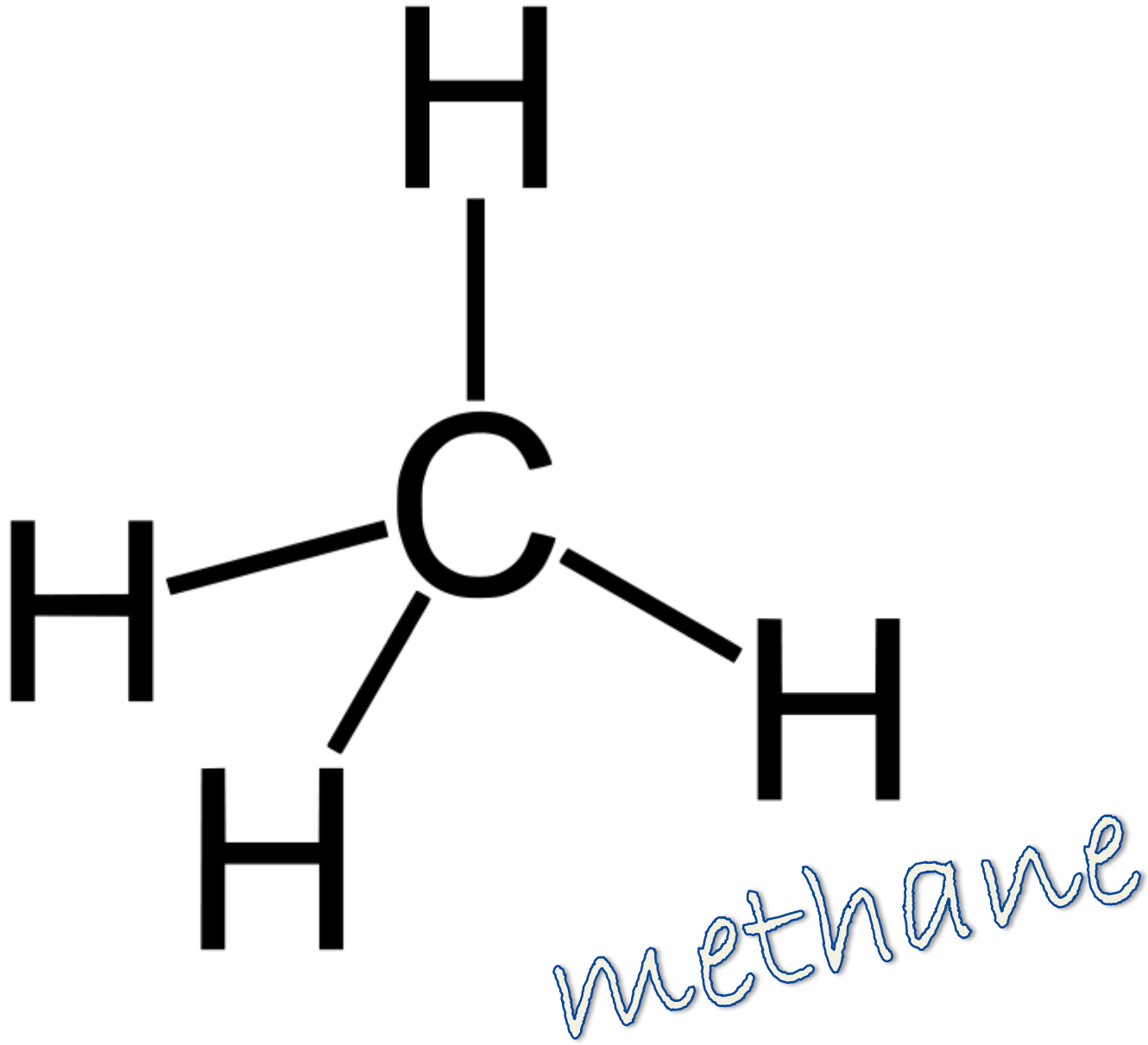
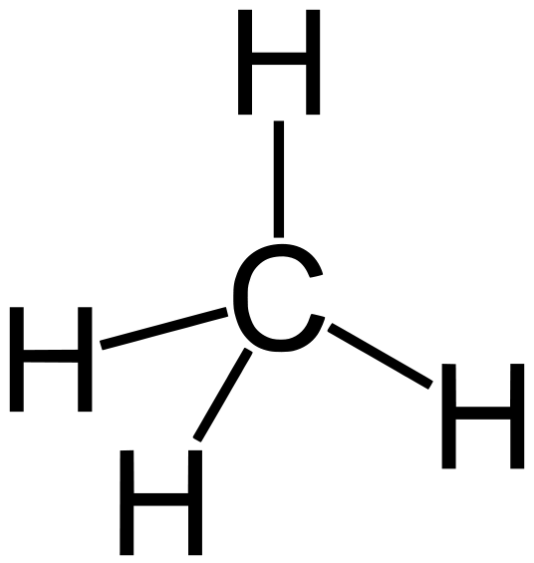

H
H
C
H
H
methane

methane

carbon dioxide

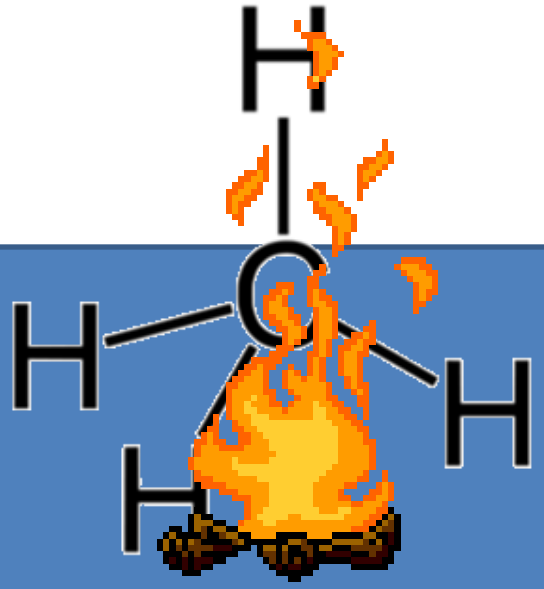
methane

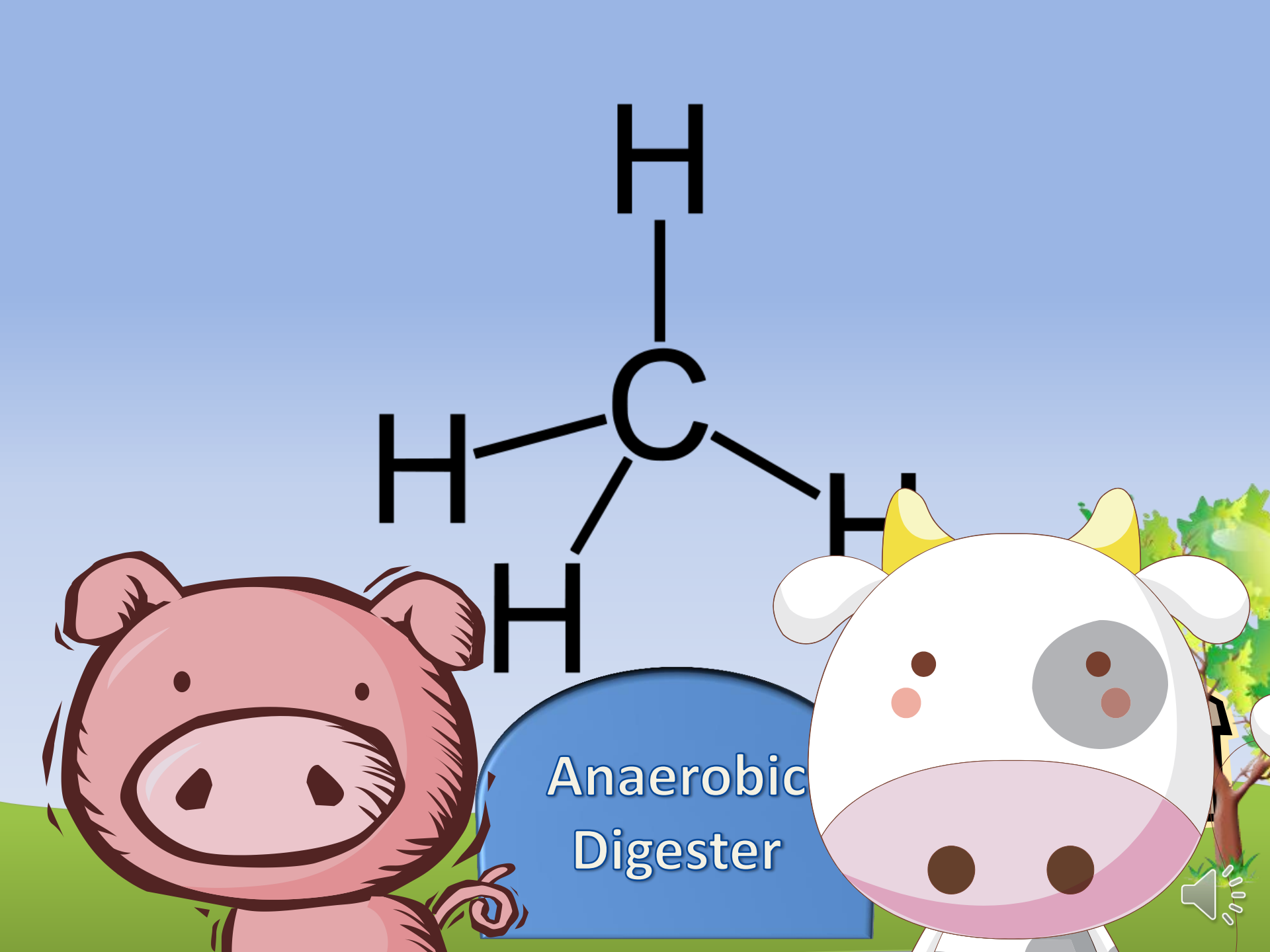


carbon dioxide

O=C=O

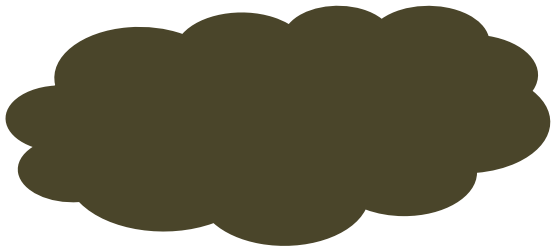
BioGas




H
H
C
H
H
Anaerobic
Digester

How to Make BioGas.

- Step 1: Bacteria consume the organic matter in the manure.



How to Make BioGas.

- Step 2: Bacteria turn the manure into simple organic acids.

How to Make BioGas.

- Step 3: Different bacteria turn the organic acids into methane.

How to Make BioGas.

- Step 3: Different bacteria turn the organic acids into methane.

How to Make BioGas.

- Step 4: The methane is burned to produce power.

O=C

Additional Benefits:

Reduced farm waste odors

High quality fertilizer

Reduced water pollution

A source of bedding or gardening pots

Components of a Digester

- A digester needs the following….
  1. A method of collecting the manure.
  2. An airtight container for bacterial digestion of organic solids.
  3. A way to collect the methane gas created by the digesting bacteria.
  4. A device to burn or compress the methane.
  5. A method to remove the byproducts.