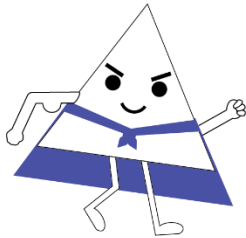


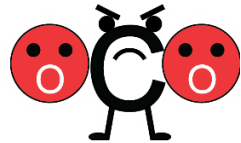
NAME: _____ DATE: _____

Draw a line to match the definition with the proper character below:

When I am burned, I bond with others to create greenhouse gases



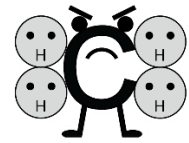
I am an amine, a salt compound, helping the gas separation process



I am a carbon dioxide (CO₂) molecule

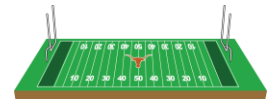


I am methane (CH₄) molecule



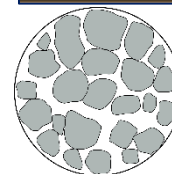
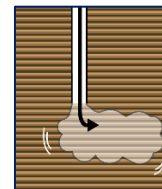
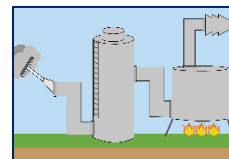
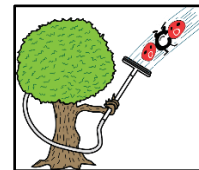
Do you remember how deep CO₂ is injected into the subsurface for carbon storage? Is it:

- a. 7 to 29 miles, equivalent to 0.5 to 2 football fields stacked end to end
- b. 0.5 to 2 inches, equivalent to 6.3 to 26 football fields stacked end to end
- c. 0.8 to 50 miles, equivalent to ~7.3 to 29.3 football fields stacked end to end
- d. 0.5 to 2 miles, equivalent to ~7.3 to 29.3 football fields stacked end to end



Match the definition with the image:

- We are pores between rock grains that in some areas remain open deep underground.
- I grab CO₂ to separate CO₂ from other gases then release it when I am heated.
- I am known as a "plume" that can hold large volumes of CO₂ in the subsurface.
- I am known to absorb CO₂, but can only absorb so much, increasing urbanization is cutting down my population.



Draw and color your own
Carbon-not adventure scene:

