

11/1

U2D6 – Quiz 1 and Carbon Quest



U2D6 – Bell Ringer – 11/1

1. Describe the movement of air that you observe in the gif. Where on Earth is hot air rising? Where on Earth is cold air falling?
2. Explain that movement using the terms temperature, density, and convection.



Objectives



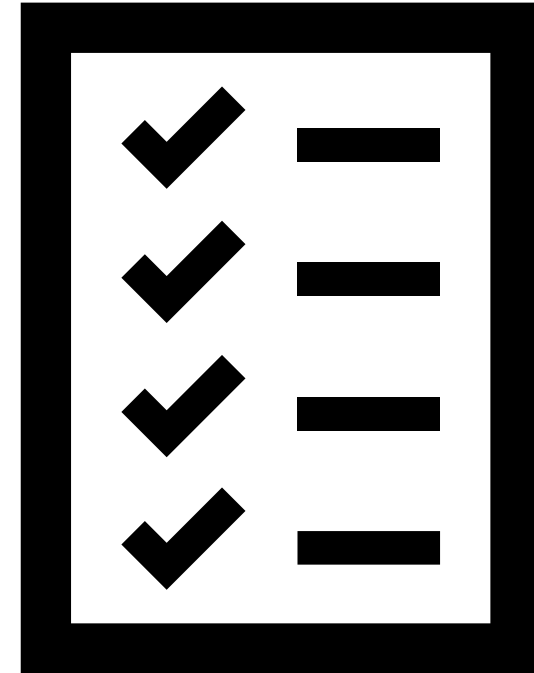
Content Objective: I can use digital resources to determine how carbon moves throughout our Earth.



Language Objective: I can summarize findings from videos and websites.

Quiz 1 – in “Teams”

- 7 minutes – on your own
- 5 minutes – check in with your group
- 2 minutes – revise your answers and “submit”!



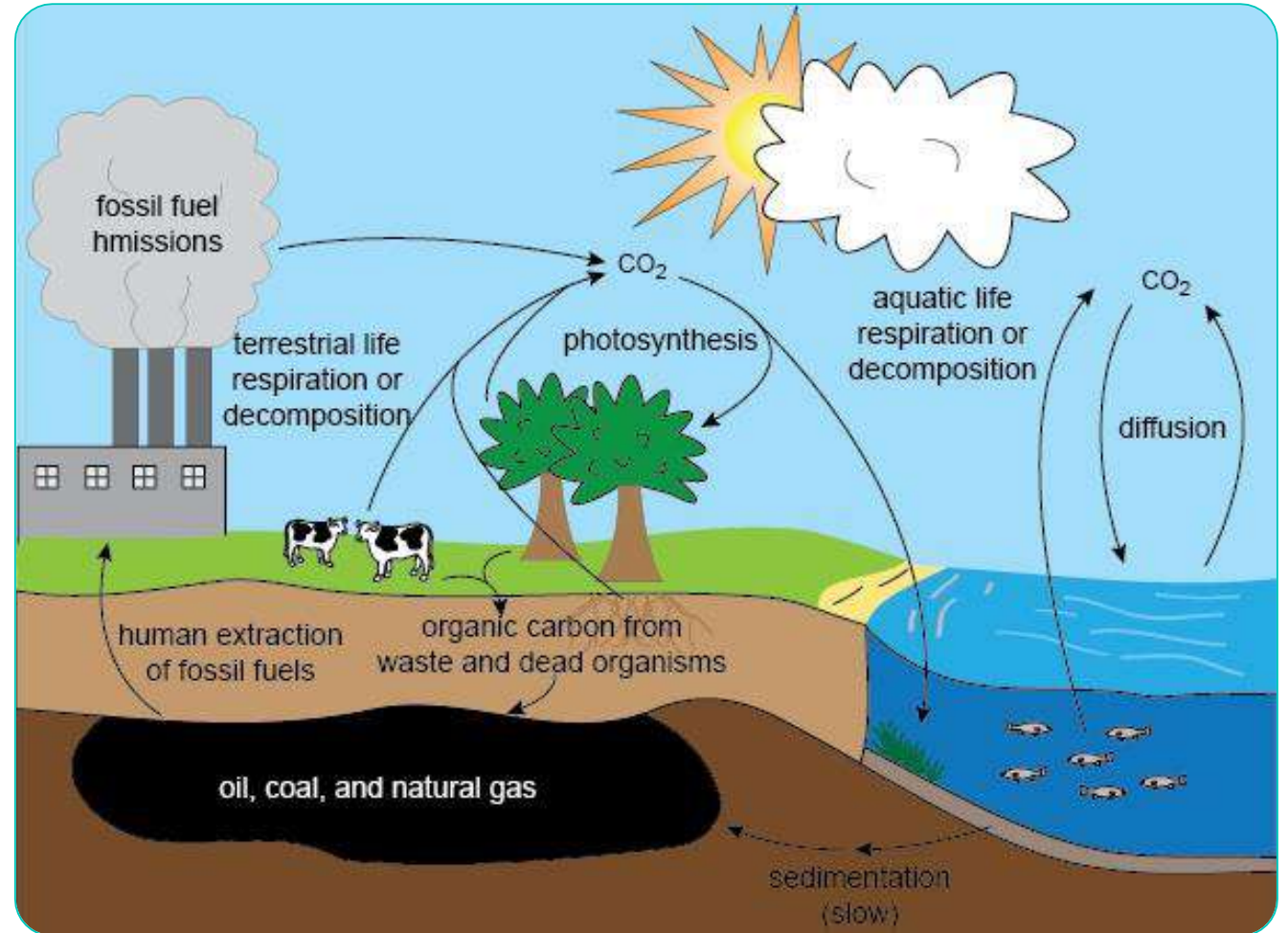
Intro to Carbon:

It plays a huge role
in energy transfer.



Where do we find Carbon? **EVERYWHERE!!**

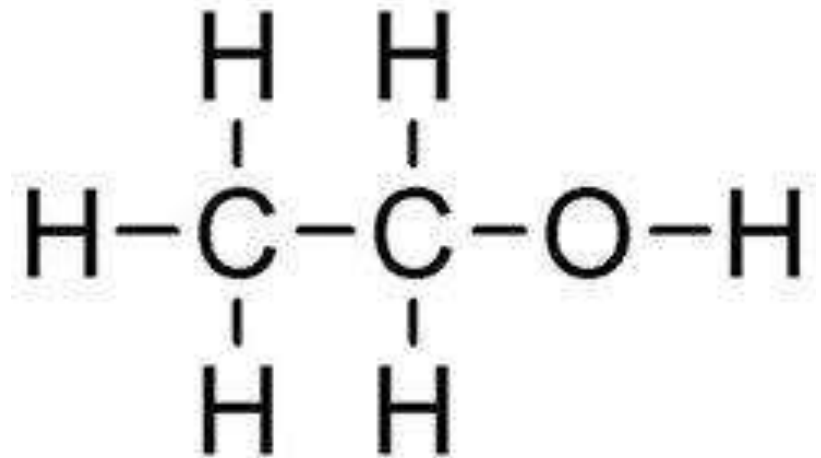
- Organic material (living things)
- Rocks
- Carbon Dioxide – CO_2
 - Atmosphere
 - Ocean
- Fossil Fuels (dead organic matter)



Carbon – The Building Block of Life

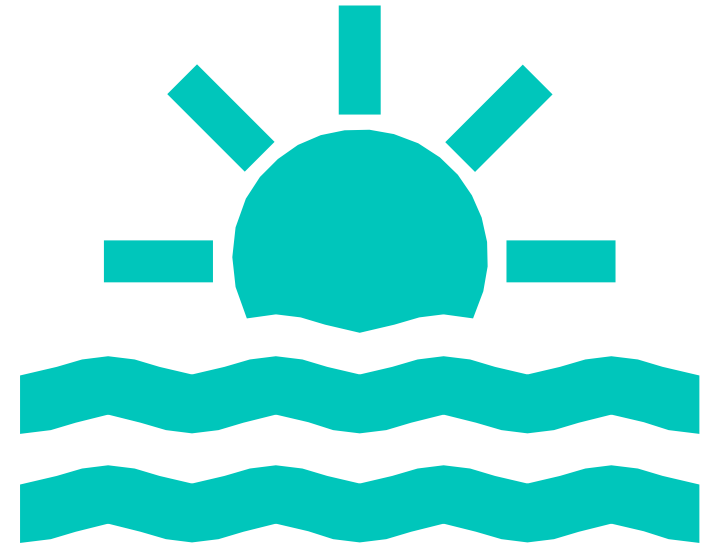
It can form four bonds, which is a good shape to build giant molecules!
Proteins, DNA, fats, carbohydrates.
These molecules **store energy!**

- Plants – Made of carbon-based molecules. They get their carbon from the air.
- Animals – also made of carbon – based molecules. We get our carbon by eating things that are also made of carbon.



Carbon Dioxide – CO²

- Carbon dioxide interacts with the atmosphere and the ocean in ways that are changing our climate and environment.



Carbon Quest

Use computer to visit sites.

Either use paper print-out or OneNote for directions and questions.

Write answer on notebook paper or directly in OneNote