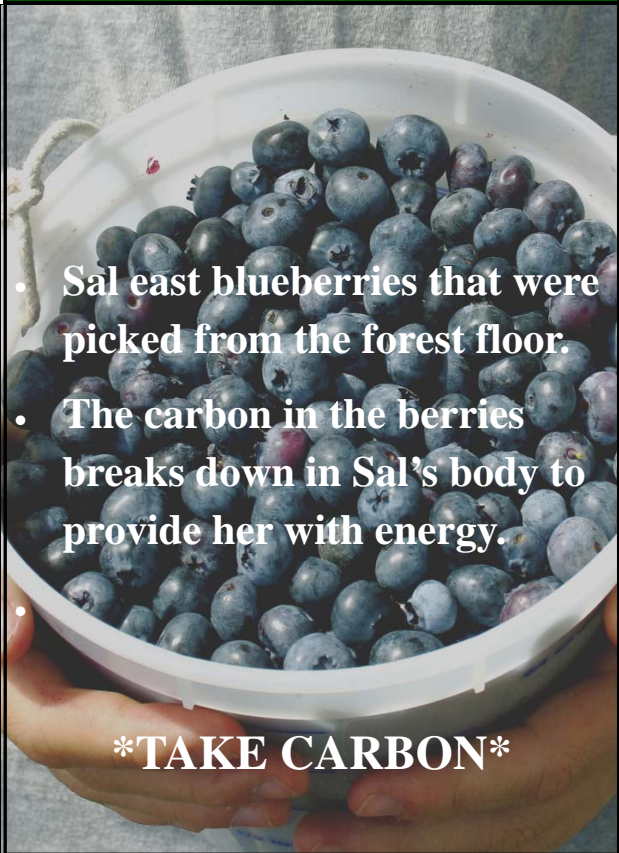
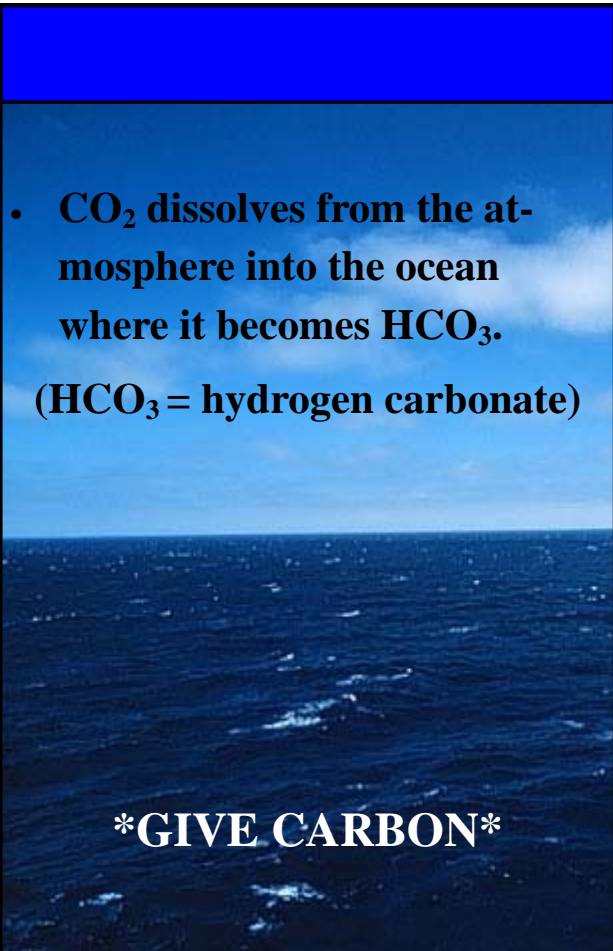


- 
- Wild blueberry plants grow on the forest floor.
 - They take in CO_2 from the atmosphere and store it in their leaves and berries.
 - Along comes Sal, who picks the berries right off the plant!

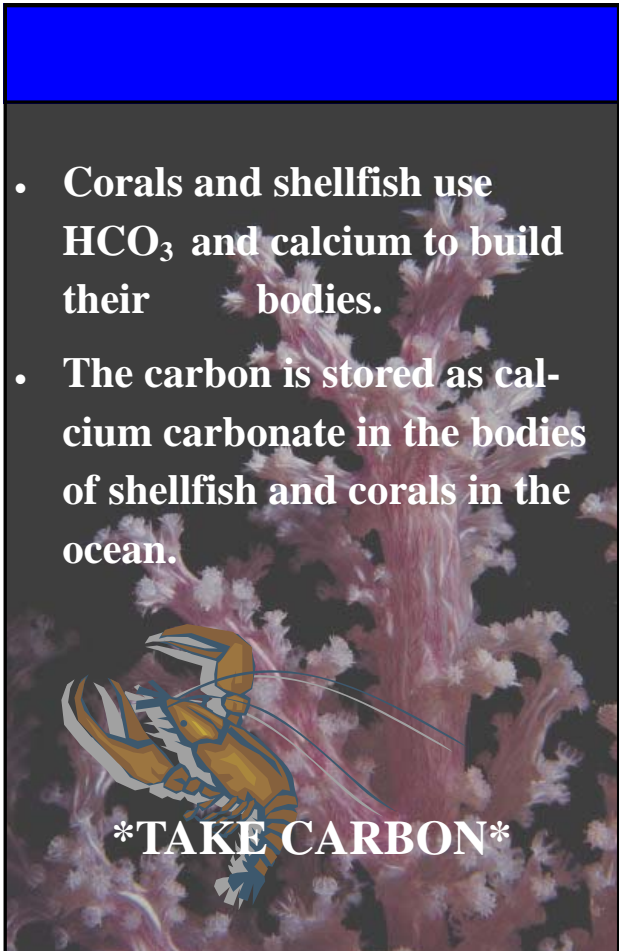
GIVE CARBON

- 
- Sal eats blueberries that were picked from the forest floor.
 - The carbon in the berries breaks down in Sal's body to provide her with energy.

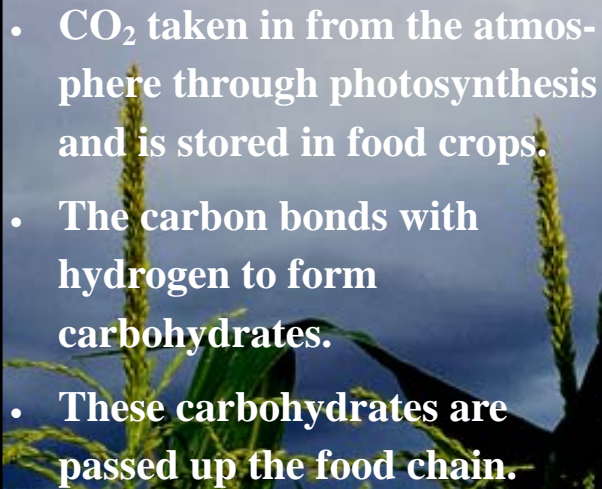
TAKE CARBON

- 
- CO_2 dissolves from the atmosphere into the ocean where it becomes HCO_3^- .
(HCO_3^- = hydrogen carbonate)

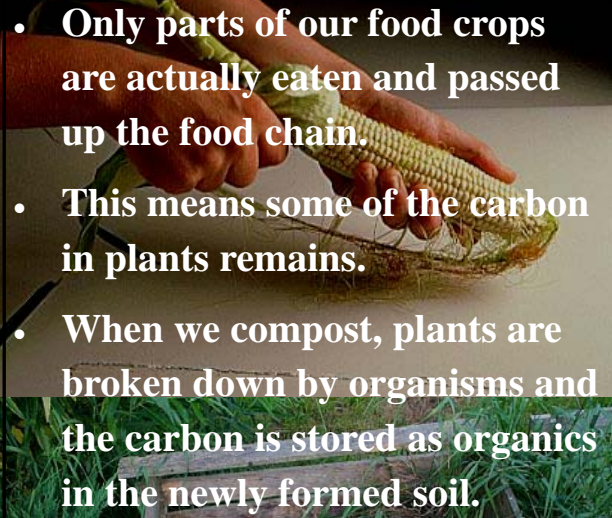
GIVE CARBON

- 
- Corals and shellfish use HCO_3^- and calcium to build their bodies.
 - The carbon is stored as calcium carbonate in the bodies of shellfish and corals in the ocean.

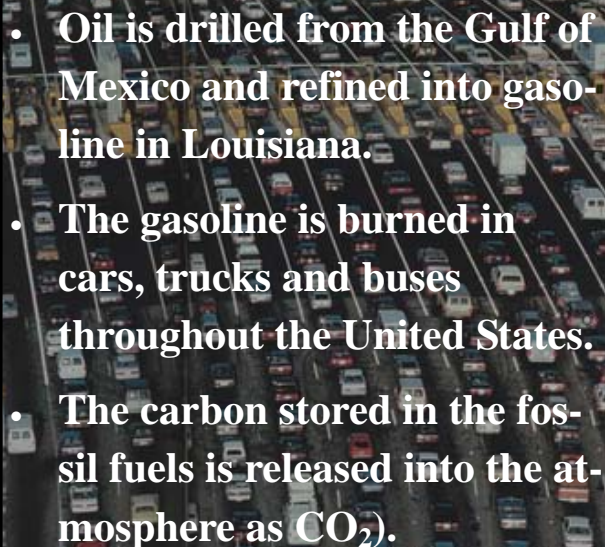
TAKE CARBON

- 
- CO_2 taken in from the atmosphere through photosynthesis and is stored in food crops.
 - The carbon bonds with hydrogen to form carbohydrates.
 - These carbohydrates are passed up the food chain.

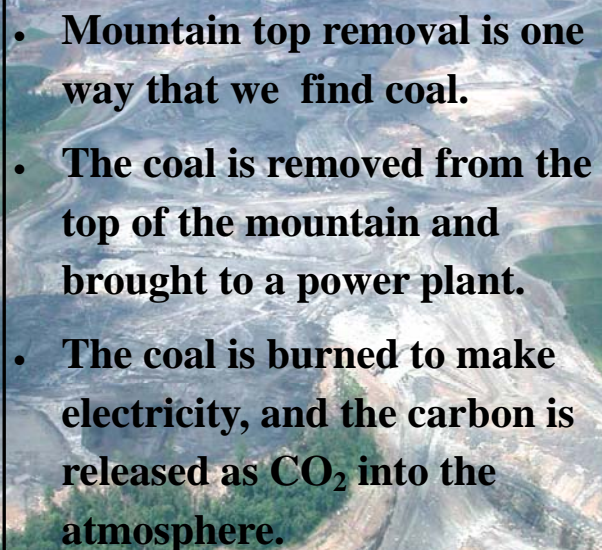
GIVE CARBON

- 
- Only parts of our food crops are actually eaten and passed up the food chain.
 - This means some of the carbon in plants remains.
 - When we compost, plants are broken down by organisms and the carbon is stored as organics in the newly formed soil.

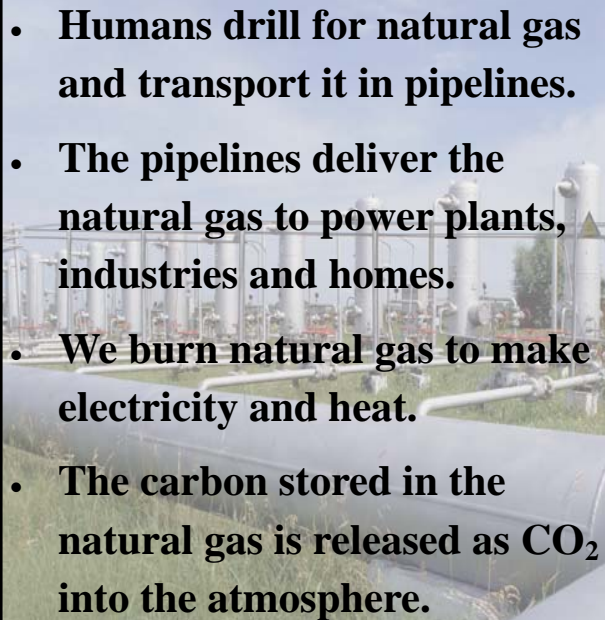
TAKE CARBON

- 
- Oil is drilled from the Gulf of Mexico and refined into gasoline in Louisiana.
 - The gasoline is burned in cars, trucks and buses throughout the United States.
 - The carbon stored in the fossil fuels is released into the atmosphere as CO_2 .

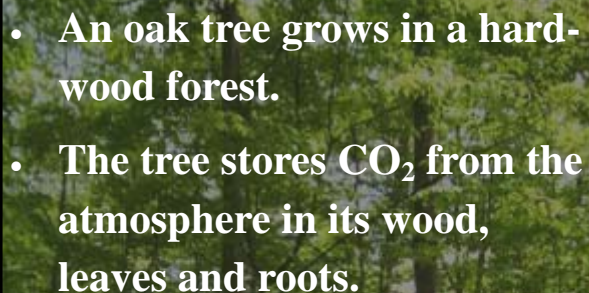
GIVE CARBON

- 
- Mountain top removal is one way that we find coal.
 - The coal is removed from the top of the mountain and brought to a power plant.
 - The coal is burned to make electricity, and the carbon is released as CO_2 into the atmosphere.

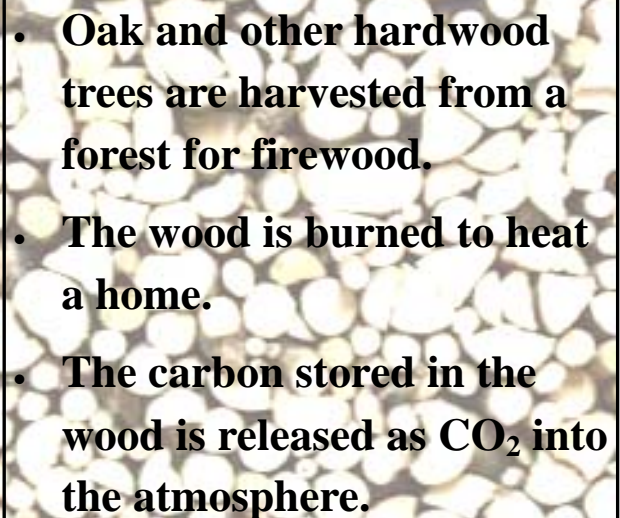
GIVE CARBON

- 
- **Humans drill for natural gas and transport it in pipelines.**
 - **The pipelines deliver the natural gas to power plants, industries and homes.**
 - **We burn natural gas to make electricity and heat.**
 - **The carbon stored in the natural gas is released as CO₂ into the atmosphere.**

GIVE CARBON

- 
- **An oak tree grows in a hardwood forest.**
 - **The tree stores CO₂ from the atmosphere in its wood, leaves and roots.**

GIVE CO₂

- 
- **Oak and other hardwood trees are harvested from a forest for firewood.**
 - **The wood is burned to heat a home.**
 - **The carbon stored in the wood is released as CO₂ into the atmosphere.**

TAKE CO₂

