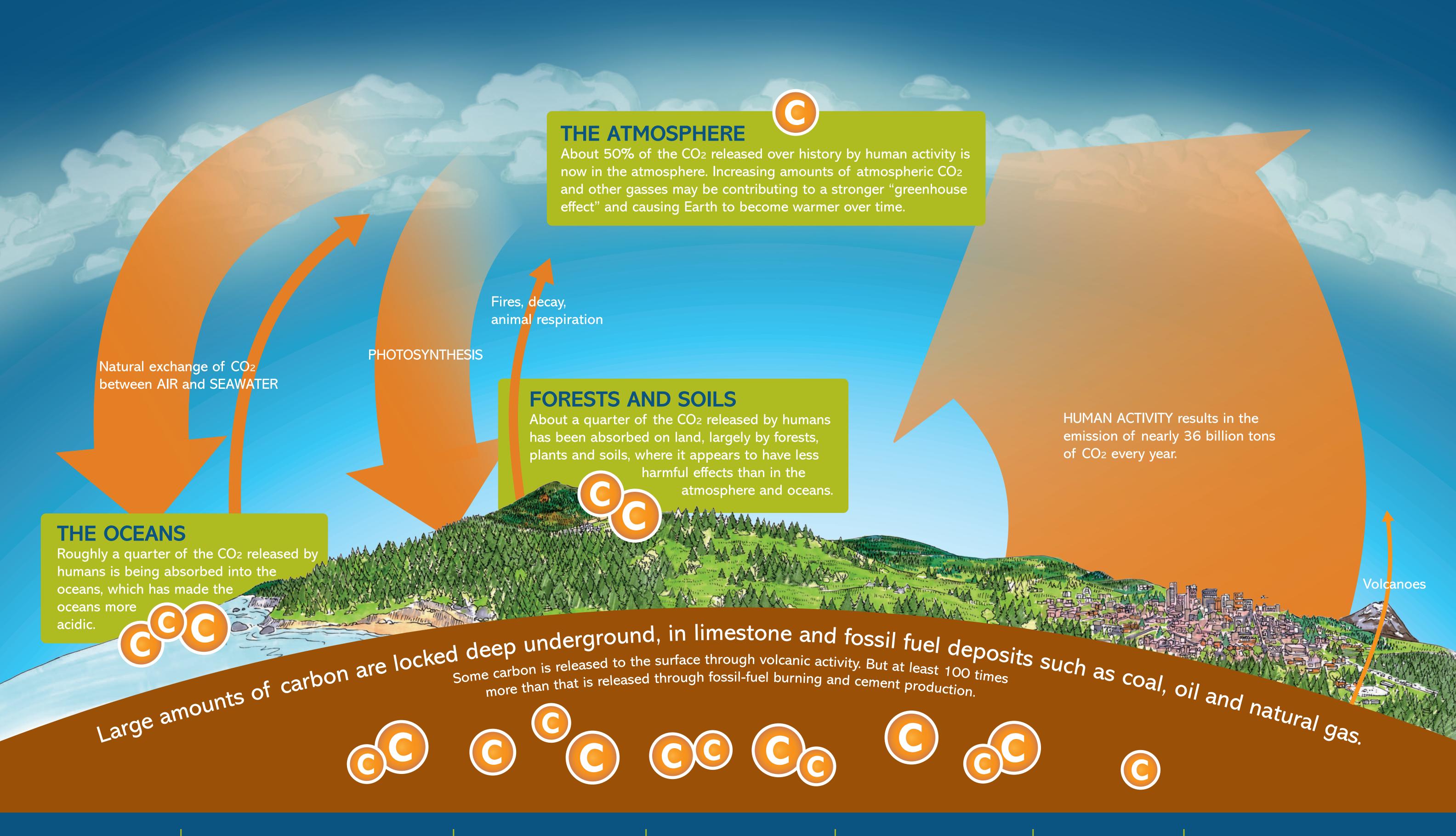
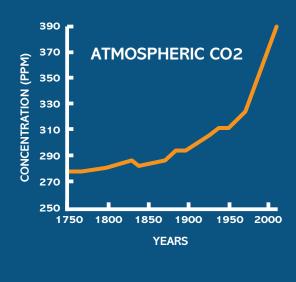
Carbon moves between three "sinks": the atmosphere, oceans and land.



FORESTS
ARE
WORKING
THEIR
TRUNKS OFF



Carbon dioxide has been accumulating in the atmosphere since the beginning of the Industrial Revolution, when humans first started burning fossil fuels. In that time, the concentration of CO₂ has increased from about 280 parts per million to about 400 parts per million.



One way to store or "sequester" carbon is through reforestation. In the Pacific Northwest new trees must be planted after harvest. It's the law. As the new forest grows, it will do its work of absorbing CO₂ through photosynthesis.



When trees take in CO2 through photosynthesis, they store the carbon as wood and release oxygen as a byproduct. About half of the dry weight of wood is stored carbon.



Unlike other building materials such as steel and concrete, wood stores carbon. Wood also requires less energy to manufacture. Using more wood will increase the amount of carbon stored in buildings and other products.



Hundreds of products are made from wood. When a tree is made into a wood product, the carbon stays in the wood for the life of the product, which can be hundreds

Come to think about it, this poster is printed on sequestered carbon. If you burn it or leave it outside to decay, the carbon will return to the atmosphere. As long as you keep it on your wall, the carbon stays put!



LearnForests.org