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Carbon is the most fundamental component of life on earth. When carbon is concerned, the distinction between animals and plants is that animals use carbon-based energy and part of the extra carbon by inhaling oxygen and exhaling it as carbon dioxide, whereas vegetation does the exact reverse. Carbon dioxide is absorbed, and oxygen is released into the environment (Toomey, 2012). According to Jim, the carbon cycle is the name given to this entire process, and it is one of the most important balancing acts of life on earth. On the other hand, coal and oil are carbon-based fuels that we utilize to power our businesses. These fuels are taken from deep under earth's surface, where the carbon has been removed from the carbon cycle. Excess carbon is discharged into the atmosphere once these carbon-based fuels are consumed. As a result, this tendency is concerning since the consequent increase in carbon in the atmosphere causes climate and oceanic changes. As a result, with all carbon coming out of retirement, nature's role in its absorption has become crucial. Grasslands and forests play an important part in the carbon cycle; nevertheless, the majority of this carbon is absorbed by marine life. Blue carbon refers to the carbon that is absorbed by marine organisms. A marine plant that absorbs blue carbon is seawater mangroves. Because coastline expansion has been quickly growing, and individuals are clearing these forests to put up their homes, the real estate sector is attempting to destroy the mangrove vegetation. The loss of an important carbon absorption mechanism occurs as a result of the destruction of mangrove vegetation. Furthermore, 44% of the population resides within 150 kilometers of the sea (Toomey, 2012). Finally, removing marine plants impacts marine natural life breeding habitations, natural storm shelter, and water purification processes.

Reference

Toomey, J. [Jim Toomey]. (2012, June 12). Two Minutes on Ocean w/ Jim Toomey: Blue Carbon. [Video]. YouTube. https://www.youtube.com/watch?v=4fNW8spFS_o

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