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6th Grade Mrs. Daily

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I'm sure we all don't want to have to deal with moving away from a place you've lived in for your entire life, right? Or to not be able to leave your house because of a flood. I really want to live in a world where we don't have to worry about flooding or bad natural disasters. And we could have that world if we try to stop sea levels rising. Not only that, but we can also help animals who live in colder places to survive by not letting ice melt.

Sea-level rise is an impact of global warming. Rising temperatures cause ice melt, sea levels rising, causing floods in coastal areas. Sea level rise also poses a serious threat to coastal life around the world. Consequences include increased intensity of storm surges, flooding, and damage to coastal areas. In many cases, this is where large populations centers are located, in addition to fragile wildlife habitats. Therefore, people may become displaced and will need to seek safer homes. (Nat'l Geographic)

The major physical impacts of a rise in sea level include erosion of beaches, inundation of deltas and loss of many marshes and wetlands. Increased salinity will likely become a problem in coastal aquifers and estuarine systems as a result of saltwater intrusion. Over time, such flooding will damage roads, bridges, buildings, and other infrastructure and will lower property values. Many coastal communities are already seeing the effects of rising seas. Ice melting from land into the ocean, warming waters that expand, a slowing golf stream, and sinking land all contribute to sea level rise are all causes to sea level to rise. (Nat'l Geographic)

Natural structures such as barrier islands, oyster and coral reefs, mangroves, seagrass, and salt marshes can work alone or in unison with built infrastructure, like seawalls, to absorb storm surge. (ERIT) But if we want to make a change to sea level rising, we will have to reduce our energy use, plant more plants and save trees, protect wetlands, and to reduce our footprint. (COA) We can also relocate facilities to higher elevations. Ecosystems themselves could be the best tools to remove carbon emissions now while preparing for the portion of sea we can no longer prevent.

With continuing warming, however, sea level will continue to rise well beyond 2100, with the ice sheets capable of adding several meters to sea level over a few centuries. But Christopher Johnson please try to make more people notice how we can make this world better by making a change in sea level rise. #maketheworldbetter

Sincerely,

Aileen Pina

Works Cited

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