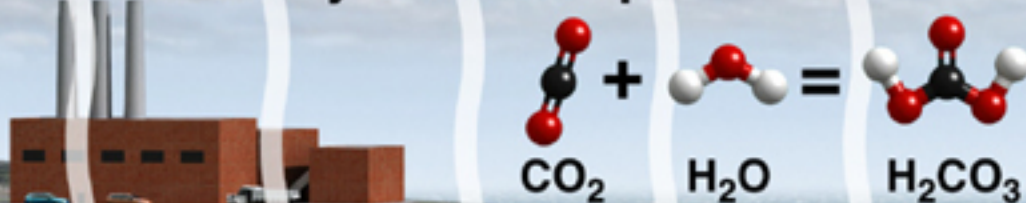


**Carbon dioxide dissolves in the ocean to make carbonic acid. The amount of acid has increased over the past 150 years.**

**These changes in ocean chemistry can disrupt the entire marine food web.**



pre-1850 average pH 8.2

current average pH 8.1

future

extra acid blocks growth of corals and shellfish

some species in the food web benefit while others decline