

Notes for 10/8/24

Hurricane:

Oceans absorbing 90% of the heat

Surface temperatures 80-100 degrees

Comb Jellies: Whole separate phyla

- Don't have normal sting cells

- Hair like features gave its name

- Uses hair to swim

- Comb Jellies can melt/fuse into each other to become one

Ctenophora

Comb Jellies have many shapes

∴ Comb Jellies are male or female

From warm waters but can adapt

Today / 430 ppm
200 340 ppm

Concentration

ppm = Parts per million

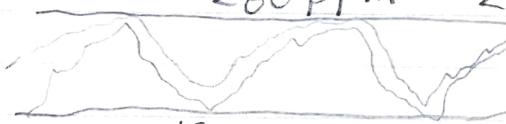
Temp

Ppb = Parts per billion

CO₂

PPt = Parts per thousand

$$\frac{3.5 \text{ g salt}}{1000 \text{ g H}_2\text{O}} = \frac{0.035 \text{ g salt}}{1 \text{ g H}_2\text{O}} = 35 \text{ ppt}$$



Todays global
Ratio of CO₂
0.000 / 430 g

Film notes:

- 200-300 years could lead to mass extinction event
- Plants & animals going extinct 100,000x faster
- Insurance companies take out insurance for massive events
- Weather related disasters have been increasing sense 1980
- Analogy that CO₂ is like steroids & the little extra stacks.
- Icebergs are thinning and drifting within a span of 10-15 years
- Geographic change can happen quickly not just take time.
- Ice Sheets covered in holes made of soot
- Intensifies Hurricanes & typhoons
- The Malan is a ice Nevane