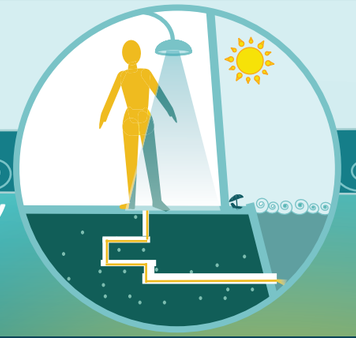
SUNSCREEN CHEMICALS AND MARINE LIFE

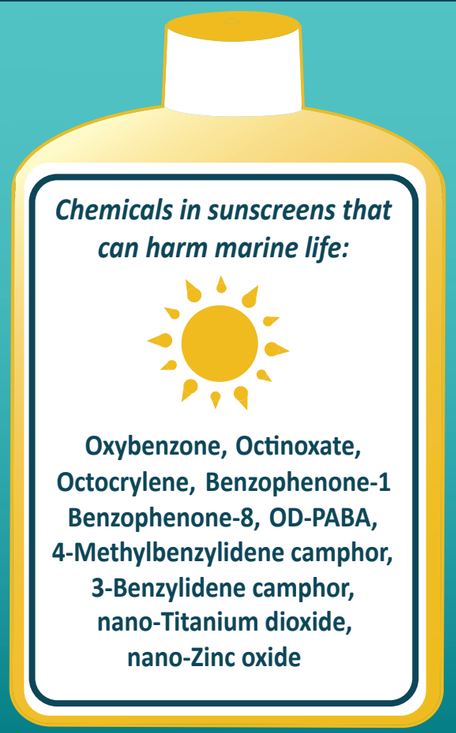
How sunscreen chemicals enter our environment:

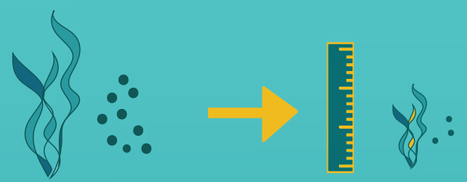
The sunscreen you apply may not stay on your skin.

When we swim or shower, sunscreen may wash off and enter our waterways.

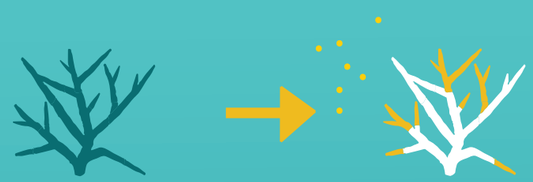


How sunscreen chemicals can affect marine life:





GREEN ALGAE: Can impair growth and photosynthesis.

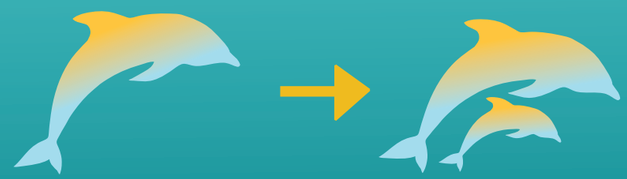


CORAL: Accumulates in tissues. Can induce bleaching, damage DNA, deform young and even kill.

MUSSELS: Can induce defects in young.

SEA URCHINS: Can damage immune and reproductive systems, and deform young.

FISH: Can decrease fertility and reproduction, and cause female characteristics in male fish.



DOLPHINS: Can accumulate in tissues and be transferred to young.

How *we* can protect ourselves and marine life:

Seek shade between 10 am & 2 pm, use Ultraviolet Protection Factor (UPF) sunwear, and choose sunscreens with chemicals that don't harm marine life.

Seek shade: 10am to 2pm

Umbrella

Sun hat

UV Sun glasses

Sun shirt

Leggings

oceanservice.noaa.gov/sunscreen