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.

**Chemicals in some sunscreens that can harm marine life:**
- 3-Benzylidine camphor
- 4-Methylbenzylidene camphor
- Octocrylene
- Benzophenone-1
- Benzophenone-8
- OD-PABA
- nano-Titaniu
- dioxygenano-Zinc oxide
- Octinoxate
- Oxybenzone

Here are a few ways to protect ourselves and marine life:

Consider sunscreen without chemicals that can harm marine life, seek shade between 10 am & 2 pm, and use Ultraviolet Protection Factor (UPF) sunwear.

Seek shade, Umbrella, Sun hat, Sunscreen, UV Sun glasses, Sun shirt, Leggings