

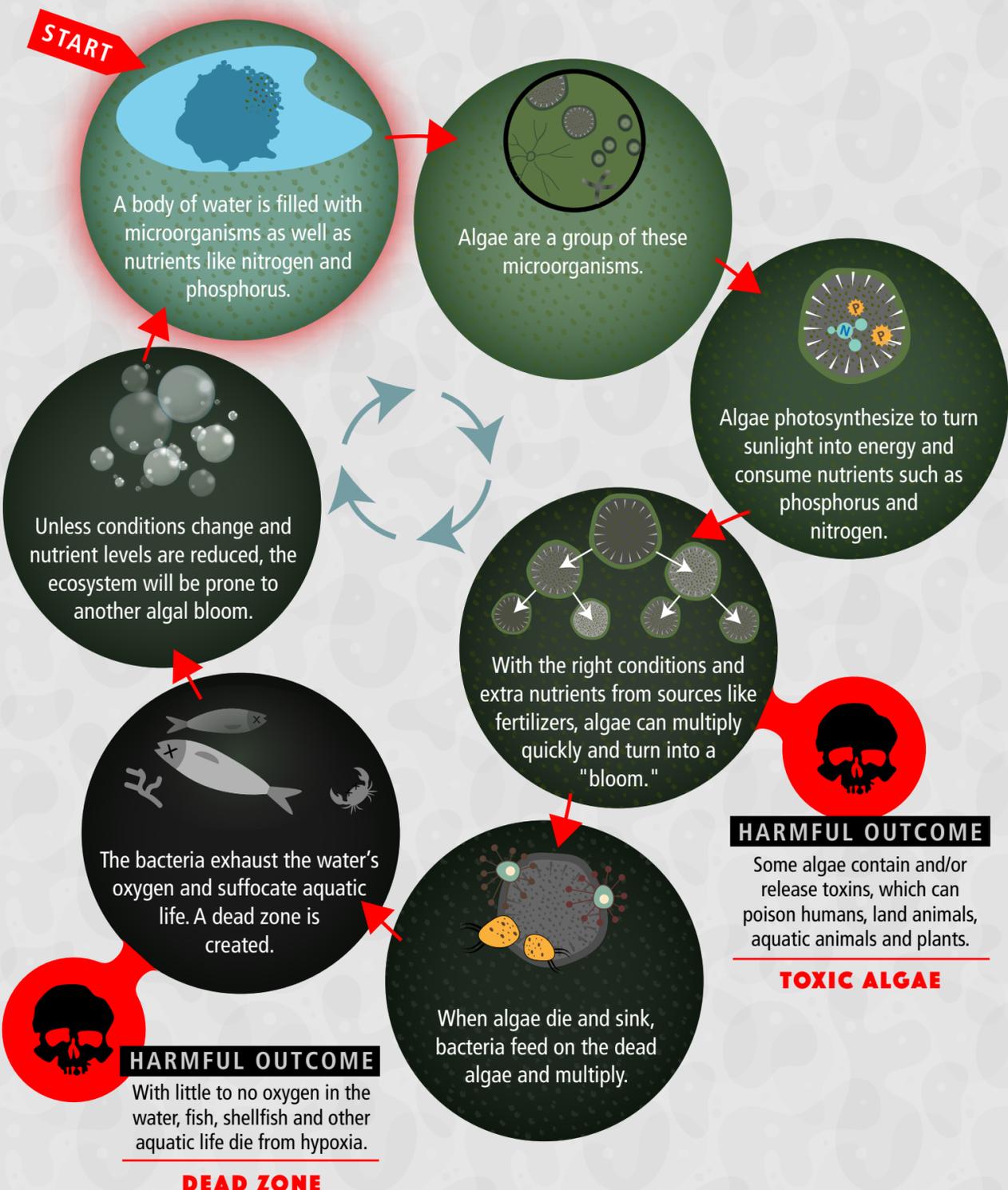
ALGAL BLOOM

WHAT IS AN ALGAL BLOOM?

Algal blooms can be incredibly harmful to humans, pets, wildlife and the ecosystem. Here are some things to know about harmful algal blooms (HABs).

THE ALGAL BLOOM LIFECYCLE

HABs can destroy critically important habitat on a massive scale:



THE MANY COLORS OF ALGAE

Common Algae and Their Potential Toxic Hazards

Freshwater



Toxins	Harmful Effects
Anatoxin	> Human Nervous System
Microcystin	> Human Liver
Lyngbyatoxin	> Human Skin
Saxitoxin Creates Paralytic Shellfish Poisoning*	> Human Nervous System



Prymnesim	> Fish Shellfish
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Marine-Salt Water



Saxitoxin Creates Paralytic Shellfish Poisoning*	> Human Nervous System Marine Mammals Sea Birds
Numerous Biotoxins	> Fish Marine Plants



Suspected Toxins	> Sea Grass Shellfish
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Suspected Toxins	> Fish Shellfish Microorganisms Crustaceans
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Domoic Acid Creates Amnesic Shellfish Poisoning*	> Human Nervous System Marine Mammals Shellfish
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*In some cases, toxins can infuse the flesh of shellfish making them highly poisonous to humans.

REFERENCES:

Environmental Protection Agency
EPA: <http://bit.ly/1Q366pw>

Long Island Coastal Conservation Research Alliance
LICCR: <http://www.liccra.org/>

Woods Hole Oceanographic Institution
WHOI: <http://bit.ly/2aYcaJm>

Sustainable Table

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