

ANIMALS THAT MAKE THEIR OWN GLOW, LIKE NATURE'S NIGHT-LIGHTS.

WHAT IS BIOLUMINESCENCE?

A tiny chemical reaction inside living things that makes real light.

LUCIFERIN

THE GLOW FUEL
the stuff that makes light



LUCIFERASE

THE HELPER ENZYME
it starts the glow reaction



OXYGEN

THE AIR HELPER
it joins the fuel to make light.



BIOLUMINISCENT LIGHT



the cool (not hot) glow you see at the end

TINY SCIENCE CORNER

It's cool light, not hot like a flame.
The reaction is super efficient:
little heat, lots of glow."

WHO GLOWS?

From teeny plankton to bigger sea creatures.

Dinoflagellates

Squid

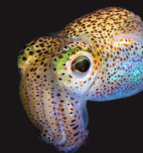
Jellies

Some Sharks

Deep-sea fish



Bigfin reef squid



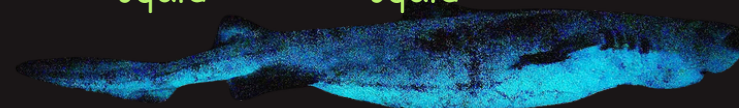
Hawaiian bobtail squid



Aequorea victoria



Dinoflagellates



Kitefin shark

WHY GLOW?

HIDE



Light belly blends with bright water above.

TALK



Blink-blink patterns to find friends

TRICK



Flash to startle predators.

HUNT



Glowing lure to attract dinner.

MYTH BUSTER

Glowing water is magic!
NO. It's tiny plankton flashing.
All jellyfish glow.
NO. Only some do.