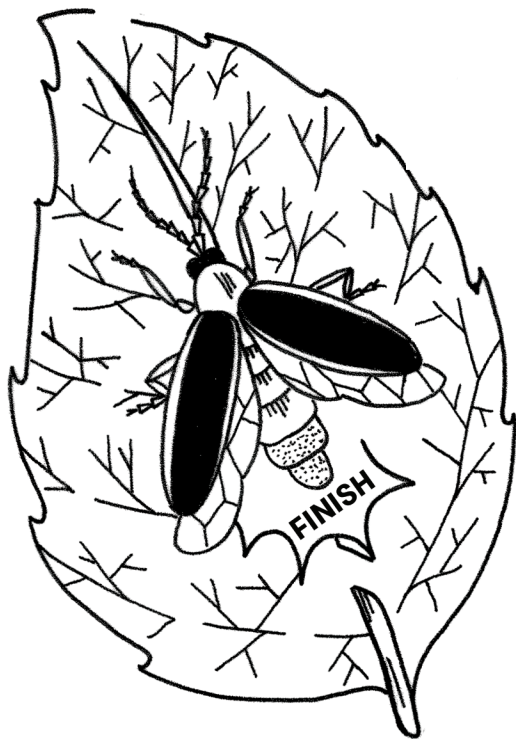


Firefly Maze

A firefly can light up when oxygen is added to the other chemicals in its light organ.

Get the oxygen to the firefly's light organ, so that it can light up!

O₂ START



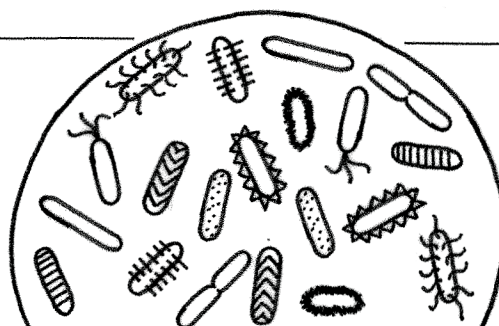
EMMETT CHAPPELLE INVENTOR OF BIOLUMINESCENCE TECHNIQUES

National Inventors Hall of Fame Inductee Emmett Chappelle is a biochemist. Chappelle studied **bioluminescence**—an organism's ability to produce and emit light. He figured out how to use this super power of nature to create bioluminescence techniques that would allow us to detect life on Mars and monitor crops here on Earth.

Living Light

Emmett Chappelle figured out that the number of bacteria in water could be measured by the amount of light they were giving off.

Find the 10 pairs of matching bacteria in this petri dish.

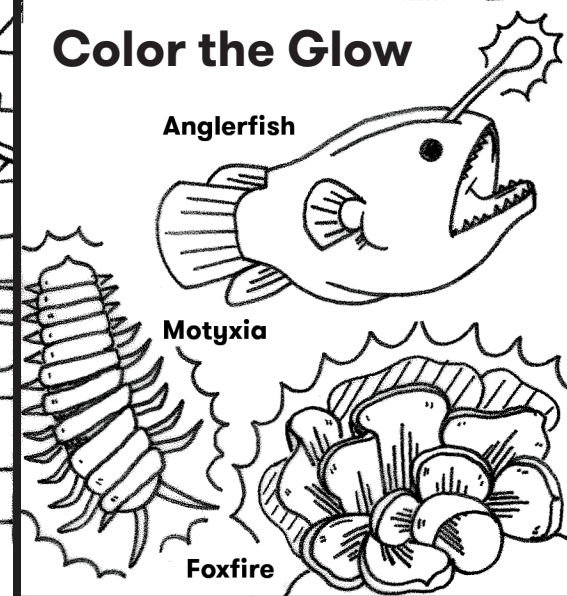


Color the Glow

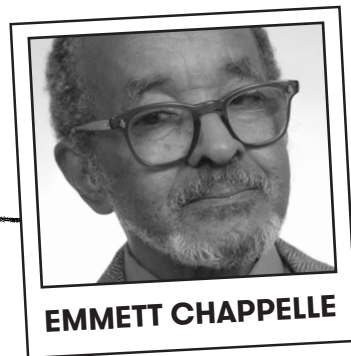
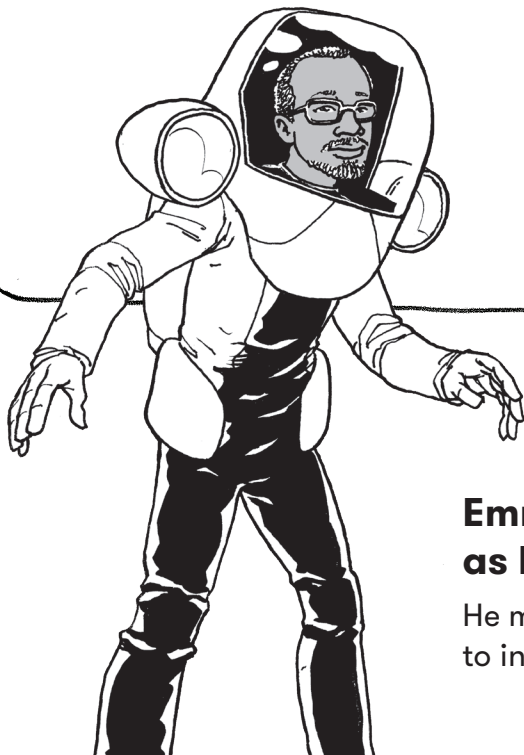
Anglerfish

Motyxia

Foxfire



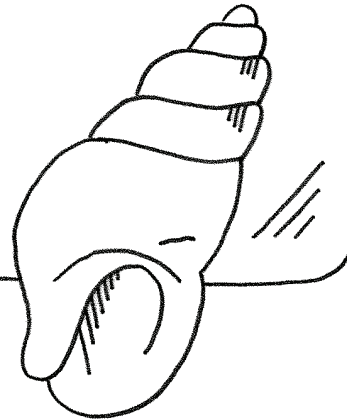
Be inspired by nature and draw a new invention prototype here!



EMMETT CHAPPELLE

Emmett Chappelle used nature as his teacher!

He made discoveries about nature and then used them to invent while at NASA.



Camp Invention®

INSPIRING FUTURE INNOVATORS®

HANDS-ON FUN!



CREATE!



BUILD & DESIGN!



TEAM UP!



EXPLORE!



One day, you can do something great just like National Inventors Hall of Fame Inductee Emmett Chappelle!

Be inspired by even more inventors at Camp Invention!

K-6TH - LED BY EXPERIENCED LOCAL EDUCATORS

See us in action at
[www.youtube.com/
NationalInventors
HallofFame_NIHF](http://www.youtube.com/NationalInventorsHallofFame_NIHF)

Learn more and secure your spot at

invent.org/camp
or **800-968-4332!**



National Inventors
Hall of Fame®