

DO YOU WANT TO BECOME AN AQUANAUT, AN ASTRONAUT, OR MAYBE BOTH?



8-12 years • Grades 3-7 • 96 pps • 7-5/8 x 9-3/4
978-1-4263-2867-1 JHC \$18.99/\$24.99 CAN
978-1-4263-2868-8 RLB \$28.90/\$38.95

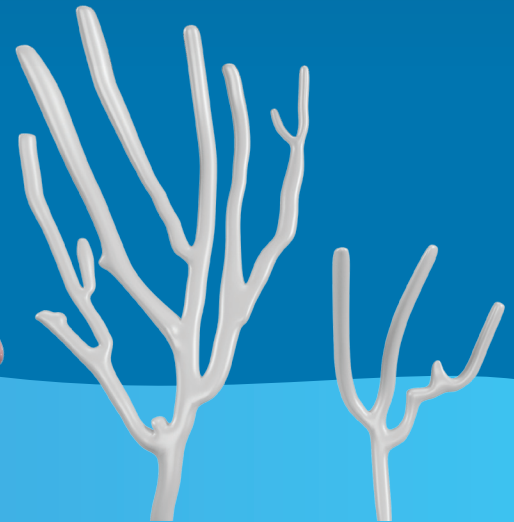
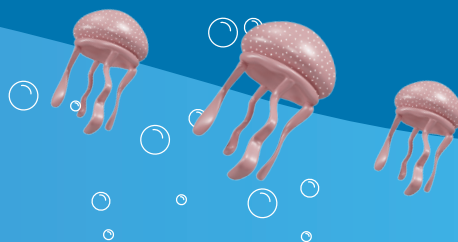
Just above the clouds and under the waves, there are vast, mysterious worlds to explore: space and the deep sea. While these places may seem wildly different, both space and deep-sea explorers face extreme temperatures, pressures, and climates. Space and deep sea are both remote, challenging environments, far from the comforts of life on land. In exploring these realms, astronauts and aquanauts have made incredible discoveries, invented awesome technology, and changed the world.

You'll learn:

- What you'll need to survive under 60 feet (18 m) of water
- Where you'll sleep in outer space
- And what it takes to become an astronaut or aquanaut—or both!

In this book, you'll encounter space vegetables, super-suits, and some seriously advanced robots. You'll learn what it's like to see planet Earth float outside your bedroom window or eat breakfast surrounded by a coral reef. Meet the amazing explorers who soared into space or took the plunge, and find out what you can do to get there someday, too!

By award-winning author and self-professed science super-fan Jennifer Swanson. Forewords by Fabien Cousteau (Aquanaut) and Kathryn Sullivan (Astronaut).



ASTRONAUT-AQUANAUT QUIZ

Answer the questions below, add up your points, and check the Astronaut-Aquanaut Results Chart to see where your future lies!

DO YOU LIKE THE COLD?

Nope, I keep the thermostat on tropical. (1 point)
As long I have my down jacket, I'm there. (2 points)
Yes, give me winter time in Wisconsin all year long! (3 points)

FACT: Space and the ocean are cold- a few moments exposed in either place and you could freeze to death!

DO YOU MIND BEING IN THE DARK?

TBH, I sleep with a light on and one eye open. (1 point)
As long as I have my nightlight and my teddy bear. (2 points)
I come alive after midnight—the darker, the better. (3 points)

FACT: The first thing you'll notice in space or the deep sea is darkness. It is very dark in outer space and the deep sea. Of course, if you are positioned near the sun, that changes, things, but most of the time astronauts and aquanauts find themselves surrounded by darkness.

DO YOU MIND BREATHING THROUGH AN APPARATUS?

I can't even! (1 point)
Hmm, I'd be willing to give it a try. (2 points)
Yup, I want to become SCUBA certified one day. (3 points)

FACT: Normally, you have oxygen floating around in your cells. Oxygen is what we need to survive. Because of the lack of air in space and to keep the water out of your lungs in the sea, you'll need a special breathing apparatus.

WOULD YOU WEAR A PROTECTIVE SUIT FOR YOUR JOB?

As long as that's code for yoga pants, I'm in. (1 point)
Maybe if it comes with a matching hat. (2 points)
Pretty sure I'd slay it. (3 points)

FACT: To explore space or sea, you will need to wear a space suit or a diving suit. These suits provide air for you to breathe, keep your body at atmospheric pressure, and provide you with a way to communicate with your teammates.

ARE YOU INTERESTED IN SCIENCE, TECHNOLOGY, ENGINEERING, OR MATH?

Nope, not even a little. (1 point)
A little of each. (2 points)
Yaaaaaas, bring it on. I love them all. (3 points)

FACT: If you want to become an astronaut or an aquanaut you should consider a degree in science, technology, engineering, or math (STEM). Both NASA and the Aquarius Underwater Research Center require you to have a degree in a STEM subject.

WOULD YOU BE ABLE TO LEAVE HOME A WEEK OR EVEN 6 MONTHS?

Not without my mommy! (1 point)
Maybe, but I'd have to give that a long, hard think. (2 points)
Yes, I love adventure. (3 points)

FACT: The experience of living in space and deep under the water is very similar. Both places are very small and must have their own supply of oxygen, food, water, and toilets. They must have living spaces, working spaces, and access to communications with the outside world.

ASTRONAUT OR AQUANAUT RESULTS CHART

IF YOU SCORED 12-18 POINTS: Get ready for adventure in the deep sea or the deep space. You have a real future as an astronaut or an aquanaut. Now all you have to do is decide which one.

IF YOU SCORED 1-11 POINTS: You may not be ready strap on a flight suit or wet suit, but you can still be part of Team Ocean or Team Space. There are many jobs that support astronauts or aquanauts. You might consider developing instrumentation for the Aquarius Underwater Research Center, or designing the next International Space Station, or monitoring the nutrition of astronauts in space and proving tasty meals.