

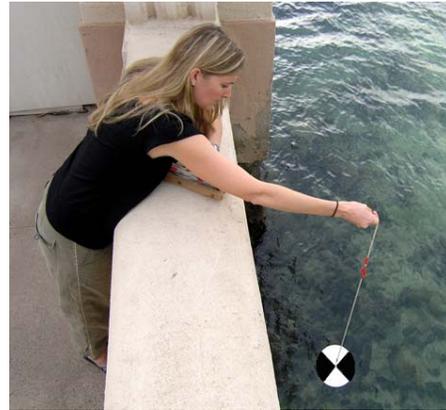
## Nautical Knots & Marine Science Careers

The field of marine science is exciting and fun! So, what makes a good marine scientist? What kinds of jobs do marine scientists do? And what should you be doing now to prepare to become a marine scientist?

### Who Are Marine Scientists?

Marine scientists come from all over the world! Each one brings his or her own ideas to the job, but there are some characteristics that most marine scientists share:

- Marine scientists are curious – they notice the world around them!
- Marine scientists are creative – they dream up experiments to answer questions.
- Marine scientists are “go getters” – they often work long hours, and sometimes work at night in rough weather.



### What Do Marine Scientists Do?

A career as a marine scientist offers many chances to travel and explore the world! You can find marine scientists:

- Working on ships
- Working as laboratory technicians on shore
- Managing fisheries
- Educating others about marine conservation

But that isn't all! Do you go to the beach or enjoy sailing? Or do you like eating seafood? Those are just a few ways that people use the ocean. Marine scientists help ensure that everyone will be able to enjoy the ocean for many more years!

### Becoming a Marine Scientist

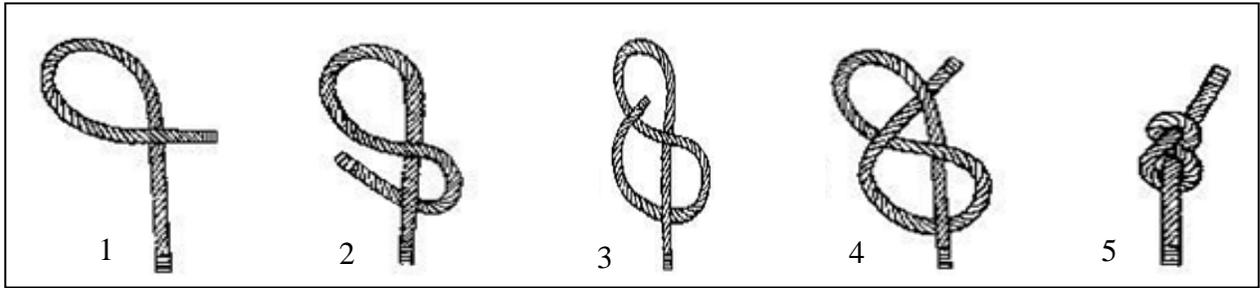
Now that you know a little bit about what marine scientists are like and what they do, are you thinking about becoming a marine scientist? Here are some ideas to get you started!

- Become comfortable in the water
- Learn everything you can about the marine environment
- Become SCUBA certified
- Learn how to drive a boat
- Study hard in all your classes
- In high school and college, take classes in oceanography, marine biology, or marine science.
- Take advantage of the many opportunities to volunteer or work in the marine science field!
- Learn how to tie knots – this comes in handy when you work on ships!

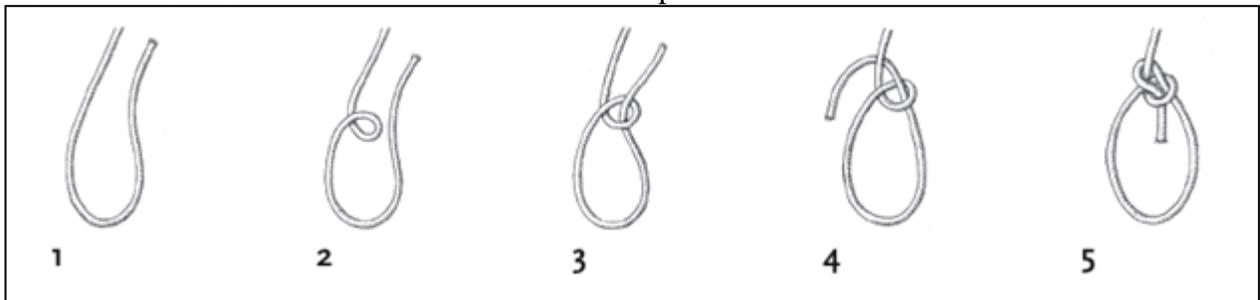


## Some Knots that are Commonly Used On Ships

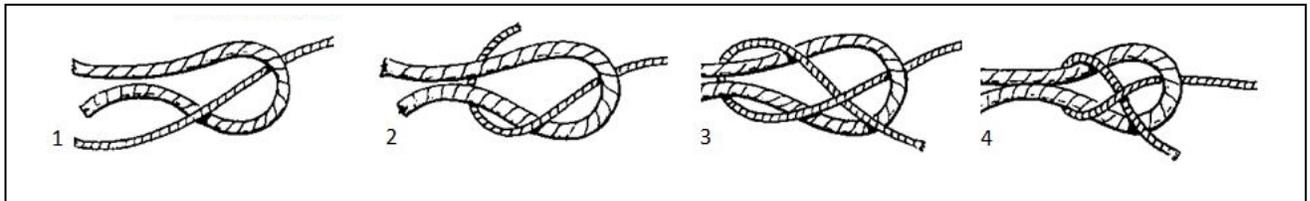
**Figure 8 knot:** Used as a stop knot



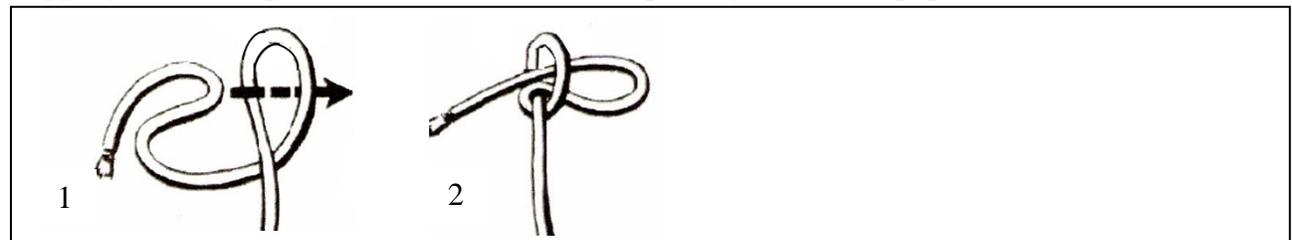
**Bowline knot:** Used to secure instruments to a ship or a dock



**Sheet Bend knot:** Used to connect two ropes together



**Slippery Hitch:** A quick-release knot used to temporarily tie down equipment



**Knots in Action – Can you figure out which knot is which?**

