

WHAT'S THE SECRET GLUE THAT HOLDS ROPE TOGETHER?

FRICITION! Friction happens when two surfaces touch each other. Rougher surfaces slow things down a lot and smooth surfaces don't slow you down as much, which is why you slip on an icy road.

Friction gives us a grip, which is why the soles of our shoes are important, so we don't slip around! **AND THIS IS HOW ROPE FIBRES STAY TOGETHER!**



First the **FIBRES**... become **YARNS**... then **STRANDS**... then **ROPE!**

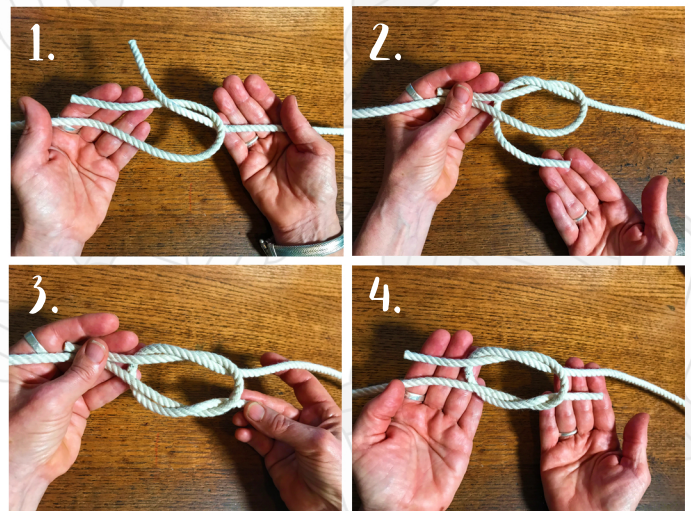
And although you can't see it, friction creates a lot of heat. **TRY RUBBING YOUR HANDS TOGETHER AND SEE IF YOU CAN FEEL THE HEAT THAT FRICTION MAKES.**

DID YOU KNOW...

The **THIEF KNOT** is more difficult to tie than the reef knot but it almost looks the same, which is why the thief knot can trick someone.

See if you can follow the pictures to tie your own thief knot.

You can also go back to the video and give the **THIEF KNOT A TRY!**



WHICH IS THE THIEF KNOT AND WHICH IS THE REEF KNOT?

