1. Take a cut bottle and dip it in soap solution. The bottle should not have a lid.

2. Lift the bottle and tilt it slightly. Observe the film carefully. The film will travel up because of surface tension.

Try this experiment with different bottles having various gradients.

- More slope: Film travels fast
- Less slope: Film travels slowly
- No slope: Film stays at one place

In trying to minimise its surface area the soap film will travel towards the narrow end. The more the slope, the faster its speed.