

Stokes' Law

Learning outcome

Evaluate density by using Stokes' Law.

Your school is overflowing with rubbish because nobody picked up their litter after the breaks!

The school needed to hire a garbage company to dispose of your rubbish and have placed on a barge that will travel through the creek and into the Arabian Sea before it can be recycled. The barge is 10m long and 5m wide. What depth of the hull will be under water if it and its rubbish have a combined mass of 100 tonnes (density of water = 1000kg/m^3 .)

