**Problem:**

The settling velocity of a solid particle in a fluid can be estimated using *Stoke’s Law*:

Create a worksheet with a table that contains all of the input variables and the output settling velocity. Write a VBA Sub Procedure to read in all of the input variables from the worksheet and output the result to the worksheet. Write and use a VBA Function to compute the settling velocity according to Stokes’s Law. Use the following values.

** = 1.0 (perfect spheres)  
*s* = 2.65 g/cm3   
*l* = 1.0 g/cm3   
** = 0.014 g/cm·s  
*d* = 0.001 cm

g = 981 cm/s­­­2

***Question*:** What is the settling velocity of the silt particles in water?

**Answer:** The settling velocity of the silt particles in water is 0.006423 cm/s with the above given values.