$$\frac{\partial (HC)}{\partial t} = -\underbrace{U\frac{\partial (HC)}{\partial x}}_{\text{Advection}} + \underbrace{\left(\frac{\partial}{\partial x}\left(HD\frac{\partial C}{\partial x}\right)\right)}_{\text{Dispersion}} + \underbrace{\left(\frac{\partial}{\partial x}\left(HD\frac{\partial C}{\partial x}\right)\right)}_{\text{Settle}} + \underbrace{\left(\frac{\partial}{\partial x}\left(HD\frac{\partial C}{\partial x}\right)\right)}_{\text{Dispersion}} + \underbrace{\left(\frac{\partial}{\partial x}\left(HD\frac$$