



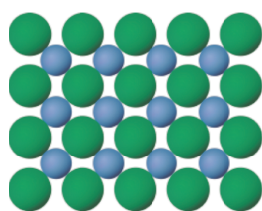
## Problem of the Week

### Problem E

### Partly Salted

When one kilogram of salt is added to a solution of salt and water, the solution becomes  $\frac{1}{3}$  salt by mass. One kilogram of water is then added to the new solution resulting in a solution that is  $\frac{3}{10}$  salt by mass.

What fraction of the original solution was salt?



NaCl

+



H<sub>2</sub>O

