## Answer on Question #82576 – Chemistry | General Chemistry

The molecular mass of  $Na_2HPO_4$  is 142 g/mol. How much  $Na_2HPO_4$  is needed to make 0.1 L of a 0.1 M solution of  $Na_2HPO_4$ .

### Solution

M  $(H_2HPO_4) = 142 \text{ g/mol}$ C = 0.1 M V= 0.1 L m - ?

#### $n = C \times V$

 $m = n \times M = C \times V \times M = 0.1 M \times 0.1 L \times 142 g/mol = 1.42 g$ 

#### Answer

Needed mass Na<sub>2</sub>HPO<sub>4</sub> 1.42 g.

# Answer provided by www.AssignmentExpert.com