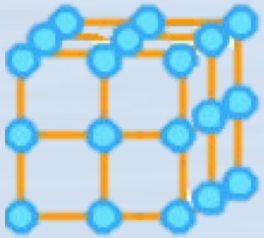
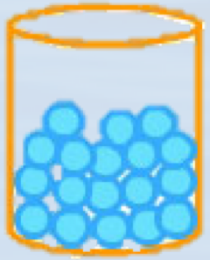
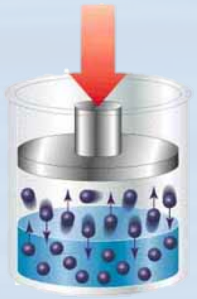
Physics Recap

Calculating a Percentage







Physics Recap Calculating a Percentage

- A chamber is at 75 msw and has a pO_2 of 425 mbar. What is the O_2% ?

% = ppO_2 x 100 ÷ AP

= 0.425_{bar} x 100 ÷ $8.5_{bar(a)}$

= 5%

How about we also calculate the pp If the chamber is vented to 35 msw what will be the ppO_2?

% x AP ÷ 100

5.0% x $4.5_{b(a)}$ ÷ 100 **= 0.225 bar**

Physics Recap Calculating a Percentage

- A chamber is at 105 msw and has a pO_2 of 400 mbar, what is the 0_2% ?

% = ppO_2 x 100 ÷ AP

= 0.400_{bar} x 100 ÷ $11.5_{bar(a)}$

= 3.47%

How about we also calculate the pp If the chamber is vented to 55 msw what will be the ppO_2?

% x AP ÷ 100

3.47% x $6.5_{b(a)}$ ÷ 100 **= 0.225 bar**