

"It's your breath in our lungs" from "Great Are You Lord" by All Sons and Daughters									
https://www.youtube.com/watch?v=uHzOw-HG4iU									
What is the probability of breathing in a molecule of Jesus' last breath? Or from any of His breaths?									
1) How many molecules are in one breath?									
Compare with 2) how many breath-sized pieces of the atmosphere there are (at sea level pressure)									
(E is used for the power of 10, so E2 = 100)									
To get the number of molecules in one breath:									
Avogadro's number * volume of a breath/volume of a mole of gas; using 1/2 liter for volume of a typical breath									
[1]	1.34E+22	= number of molecules in any breath (= 6.02E23 * (0.5 liters/22.5 liters))							
To get how many breath-sized pieces of the atmosphere there are (at sea level pressure):									
Force of atmosphere on Earth due to gravity = atmospheric pressure * area of Earth:									
5.20E+19 Newtons (=101E3 Newtons/m ² * 4*pi*6.4E6 ² m ²)									
f = ma, so m = f/a where a = g; so mass of Earth's atmosphere is f [above]/g (=9.8 m/s ²):									
5.30E+18 kg									
To convert mass to volume, divide by the density (mass/vol); density of air at sea level, 1.2 kg/m ³									
4.42E+18 m ³ , = volume of atmosphere if all at sea level density									
There are 1000 liters in a m ³ ; again using 1/2 liter/breath gives 2000 breaths/m ³ . Mult. by 2000:									
[2]	8.84E+21	= breath-size pieces of Earth's atmosphere at sea level pressure							
Divide [1] by [2] to get the average number of Jesus' last breath molecules in each of ours									
-->	1.5	(This result is proportional to current breath size X Jesus' breath size.)							
Wow! How could this be? Because Avogadro's number is so large -- there are a lot of molecules in 1/2 liter of air.									
What about all the air that Jesus breathed in his life time?									
2.37E+08 total number of breaths = ~15 breaths/min * 60 min/hr * 24 hr/day * 365 day/yr * (~30 yr)									
3.18E+30 Number of molecules that Jesus ever breathed = above number * [1]									
-->	400,000,000	# of molecules Jesus ever breathed in each of our breaths, = the above number/[2], or tot. number of breaths * 1.5							
How much air is this?									
1.50E-08 = volume in mm ³ (= 4.E+08/6.02e23*22.5*1000*1000)									
2.46E-03 = length of one side of the cube of air in mm, or about 2.5 thousandths of a mm or about 2.5 microns.									

	One could argue that a lot of the oxygen atoms are now tied up in solid compounds, but that would only reduce the results by 20%.														
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