Describe 5.432e14 usec in human terms. Show your work.

5.432e14 is a notation for $5.432*10^{14}$. usec is a notation for 10^{-6} seconds. Together, this becomes $5.432*10^{14*}10^{-6}$ seconds, which is equivalent to $5.432*10^{8}$ seconds, or 543,200,000 seconds, which is a weird way to refer to seconds.

In human terms, I would probably say it makes more sense to convert this to a larger unit of time because nobody discusses seconds by the millions. Using our handy dandy dimensional analysis, we can convert 543,200,000 seconds to years:

 $5.432*10^8$ seconds * 1 minute/60 seconds * 1 hour/60 minutes * 1 day/24 hours * 1 year/365 days = 17.225 years