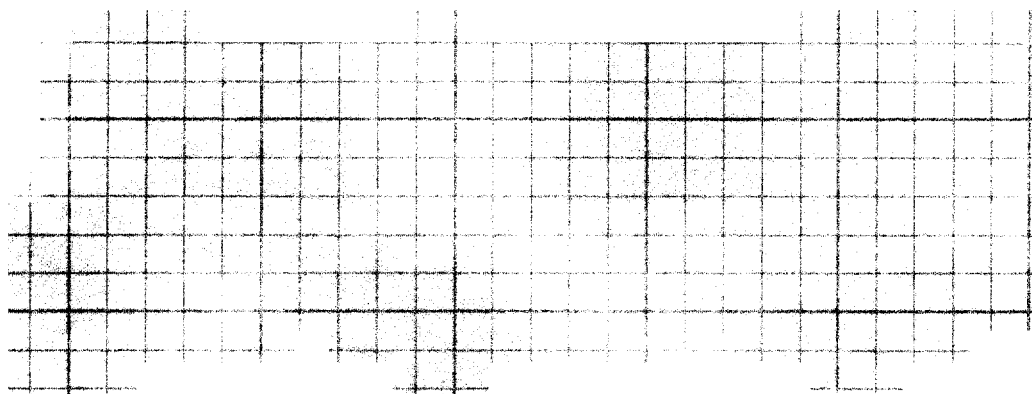
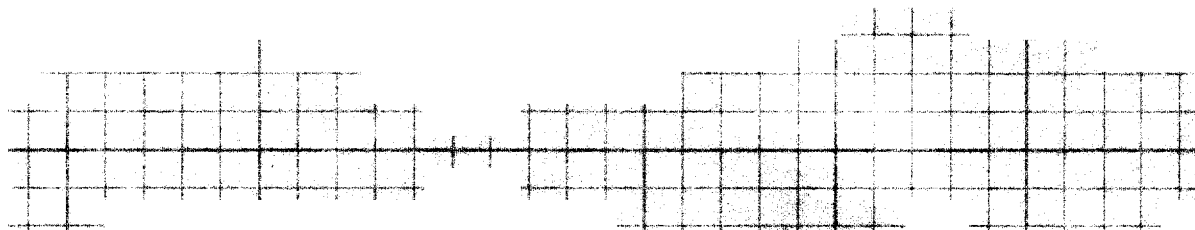


Practice Quiz

- ① A six-sided loaded die ~~with~~ ^{has a} weight function $w(n) = \frac{1}{n}$. How much more likely are you to roll an odd number?



- ② The C-Cl stretching in carbon tetrachloride (CCl_4) is about 470 cm^{-1} . What is the ratio of the first excited state population to the ground state population? (at Room Temp; 298 K)



- ③ It was determined that the ratio of the first excited state population to the ground state population for the "ring breathing" mode of benzene (992 cm^{-1}) was ~~2.90 x 10^-2~~ 2.90×10^{-2} . What is the temperature of the sample?

