LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

Study Questions
Biophysical Chemistry/Molecular Biophysics
Wintersemester 2020/2021
Preparation for Lecture 4

Department Chemie
Prof. Don Lamb. PhD

Reading:
> Howard Berg, Random Walks in Biology
>> Chapter 1: Pages: 5-12
>> Chapter 2: Pages: 17-21

Questions:
1) What three rules define a one-dimensional random walk?

2) What is the mean squared displacement?

3) How does the mean squared displacement depend on the number of dimensions?

4) What are Fick's equations?