

SECTION OVERVIEW

4: Transport

14: Hydrodynamics

14.1: Newtonian Fluids

14.2: Stokes' Law

14.3: Laminar and Turbulent Flow

15: Passive Transport

15.1: Dimensionality Reduction

15.2: Facilitated Diffusion

15.3: Search Times in Facilitated Diffusion

16: Targeted Diffusion

16.1: Diffusion to Capture

16.2: Diffusion to Capture with Interactions

16.3: Mean First Passage Time

17: Directed and Active Transport

17.1: Motor Proteins

17.2: Passive vs Active Transport

17.3: Brownian Ratchet

17.4: Polymerization Ratchet and Translocation Ratchet

This page titled [4: Transport](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Andrei Tokmakoff](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.