## Introduction

Name

The cell membrane needs to be <u>selectively permeable</u> to <u>maintain homeostasis</u>

The cell moves stuff across its membrane in 2 basic ways:

does not 1. **Passile** ransc use energy · Caused by diffusion - random differen Moving /spreading out of particles Molecules move from hah to low concentratio /on A difference in concentrations is called a concentration gradient · So, molecules move down concentration gradient · Results in dynamic equilibrium - still moving equally in both directions Use energy (AT 2. active transpor to high concentration: [IW] Molecules move • So, molecules move <u>wp oradient</u> Results in maintain/increasing gradient

Name	What types of molecules are moved?	Up or down the concentration gradient?	Passive transport?	Energy required?	Channel proteins?	Picture
Simple Diffusion						
Facilitated Diffusion						
Osmosis						
Active Transport						