





Chapter 3 Section 2

SPI 0707.1.5 Explain how materials move through simple diffusion.

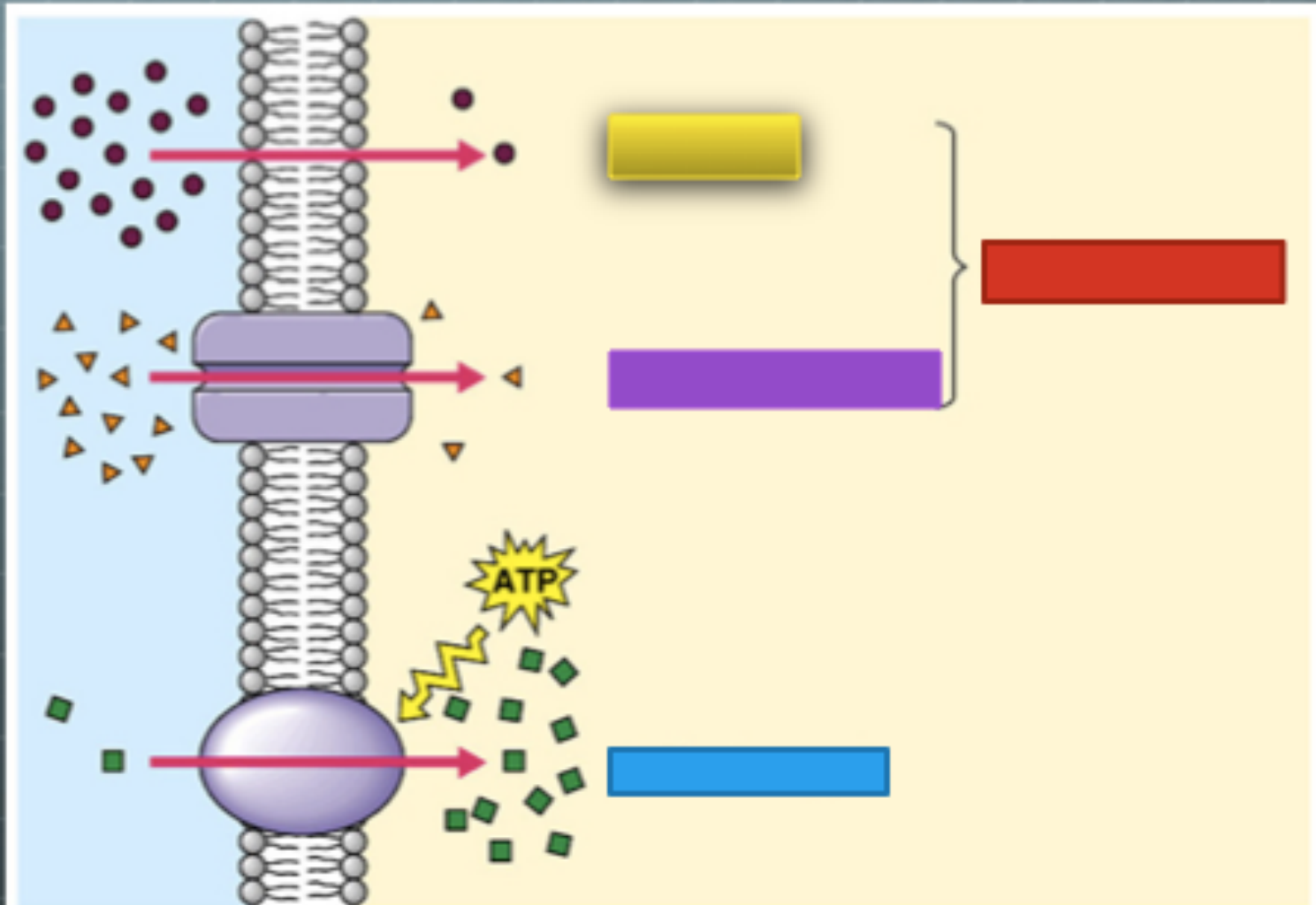
What you'll learn:

-  Describe the function of a selectively permeable membrane.
-  Explain how the processes of diffusion and osmosis move molecules in living cells.
-  Explain how passive transport and active transport differ.

Why it's important:

-  Cell membranes control the substances that enter and leave the cells of your body.

What does mastery look like?



Review

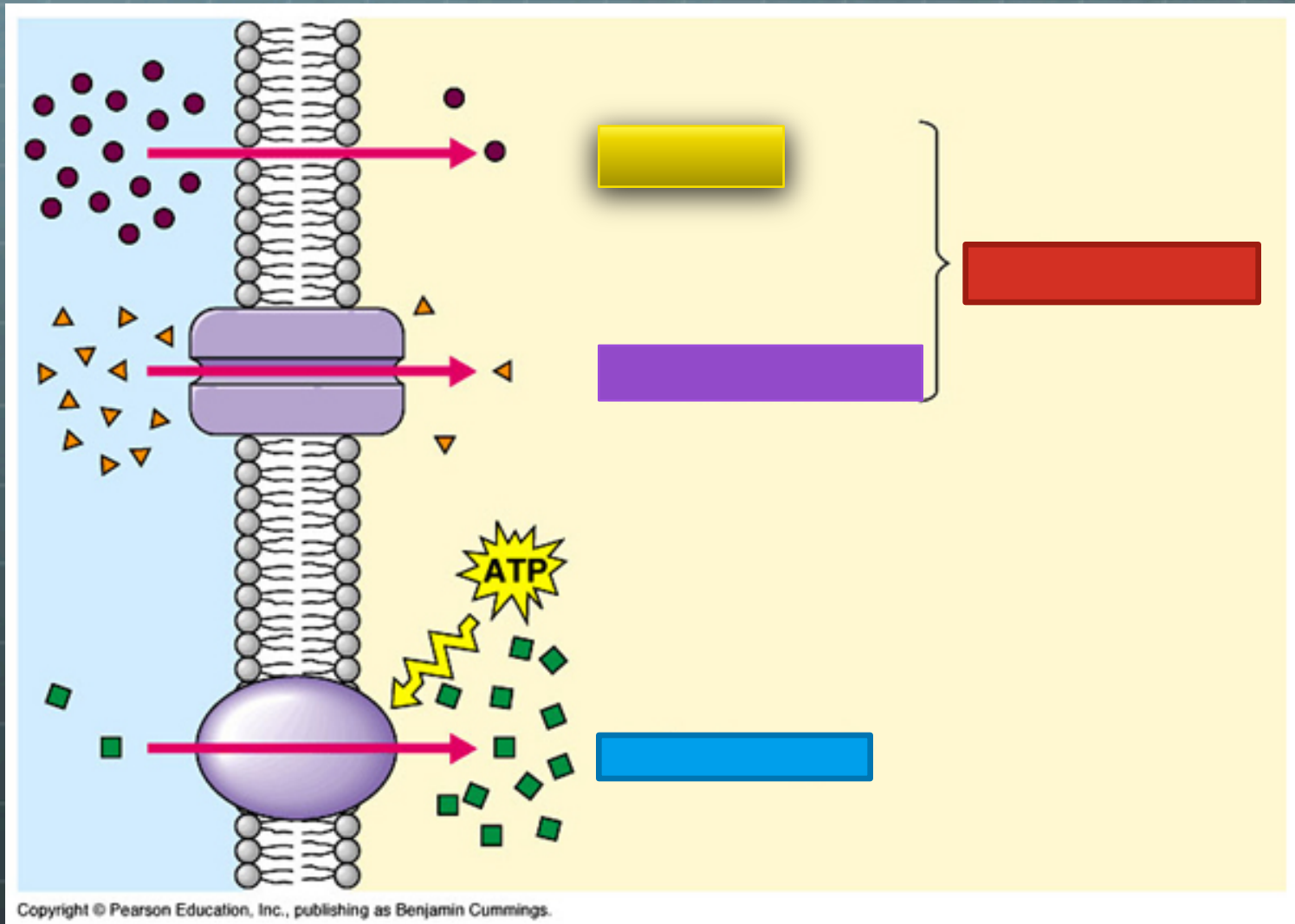
- 🌐 We've talked about passive transport.
 - 🌐 What is passive transport?
- 🌐 Now, we are going to talk about a type of passive transport called facilitated diffusion.
 - 🌐 Since it's passive transport, is cell going to use energy?

Facilitated Diffusion

a type of passive transport

- 🌐 Cells take in many substances.
- 🌐 Some pass easily through the cell membrane by diffusion.
- 🌐 Others (like sugar molecules) are so large that they can enter the cell only with the help of molecules in the cell membrane called transport proteins.
- 🌐 This process, a type of _____ transport, is known as facilitated diffusion.
- 🌐 https://www.youtube.com/watch?v=vKGN_Zhz8AY

Talk to your group about what this picture shows.
What word is behind each block? I'll come around and
listen, then we'll discuss as a class.



Experiment




- 🌐 To close out our lesson today, we are going to complete the first half of an experiment.
- 🌐 You will be predicting the effects of diffusion on a gummy bear. We will start the experiment today. We will finish it tomorrow morning.
- 🌐 We will go over the sheet in here.
- 🌐 Your prediction will serve as your exit slip today.
- 🌐 **REMEMBER:** Our objective is, “Explain how materials move through simple diffusion.”
- 🌐 Grab a pencil and **SILENTLY** line up for the science lab.

Exit Ticket



Experiment

STOP!

-  **Red** – I am so confused. (Write down a question for me to answer that will help you better understand.)
-  **Yellow** – I am on the way to understanding, but I need more time. (Write down one thing you understand about this topic. Write down one question for me to answer.)
-  **Green** – I've got this! (Answer these questions. What will happen ?)