

**Standards:**

SB1d. Plan and carry out investigations to determine the role of cellular transport (e.g., active, passive, and osmosis) in maintaining homeostasis.

	Pre-Teaching  Learning Target  Success Criteria	Activation of Learning	Focused/Guided Instruction	Collaborative/ Independent Learning	Closing
Monday 11/17/25	 I can - - explain how the cell maintains homeostasis using the cell membrane. - describe how materials are exchanged across the cell membrane.  I can differentiate osmosis and diffusion through the gummy bear experiment and can explain homeostasis through examples.	Bell Ringer Question- What is the outer most covering of a Plant cell?	Presentation on structure of Plasma membrane	Cell Vocab game in Flocabulary	TOTD
Tuesday 11/18/25		Review on the structure of plasma membrane	Presentation on the functions of Plasma membrane- transport across plasma membrane- Passive transport (Osmosis & Diffusion)	Worksheet - Vocabulary on the structure & functions of Cell Membrane	Summarize all key terms learnt in the topic
Wednesday 11/19/25		Bell Ringer on Progress learning	Guided instructions to lab activity- Determine Osmosis in gummy bears  Gummy Bear Osmosis.pdf	Lab: Determine Osmosis in gummy bears	Exit Ticket- Define Osmosis
Thursday 11/20/25		Review on Osmosis	Presentation on Active transport	Determine Osmosis in gummy bears continues with recording the data on day 2	Exit Ticket- How is exosmosis different from Endosmosis
Friday 11/21/25		Recap definitions in passive transport through membranes	Determine Osmosis in gummy bears continues with recording the data on day 3 and analyze the test results by graphing activity	Lab Record : Submit student observations, data tables, graph and conclusion on findings.	Draw conclusions about endosmosis & exosmosis

MINOR Assessment

MAJOR Assessment