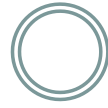


Investigating Cell Transport



**WHAT DETERMINES
HOW DIFFERENT SUBSTANCES
WILL CROSS A
CELL MEMBRANE?**

Question



What is diffusion?

Question



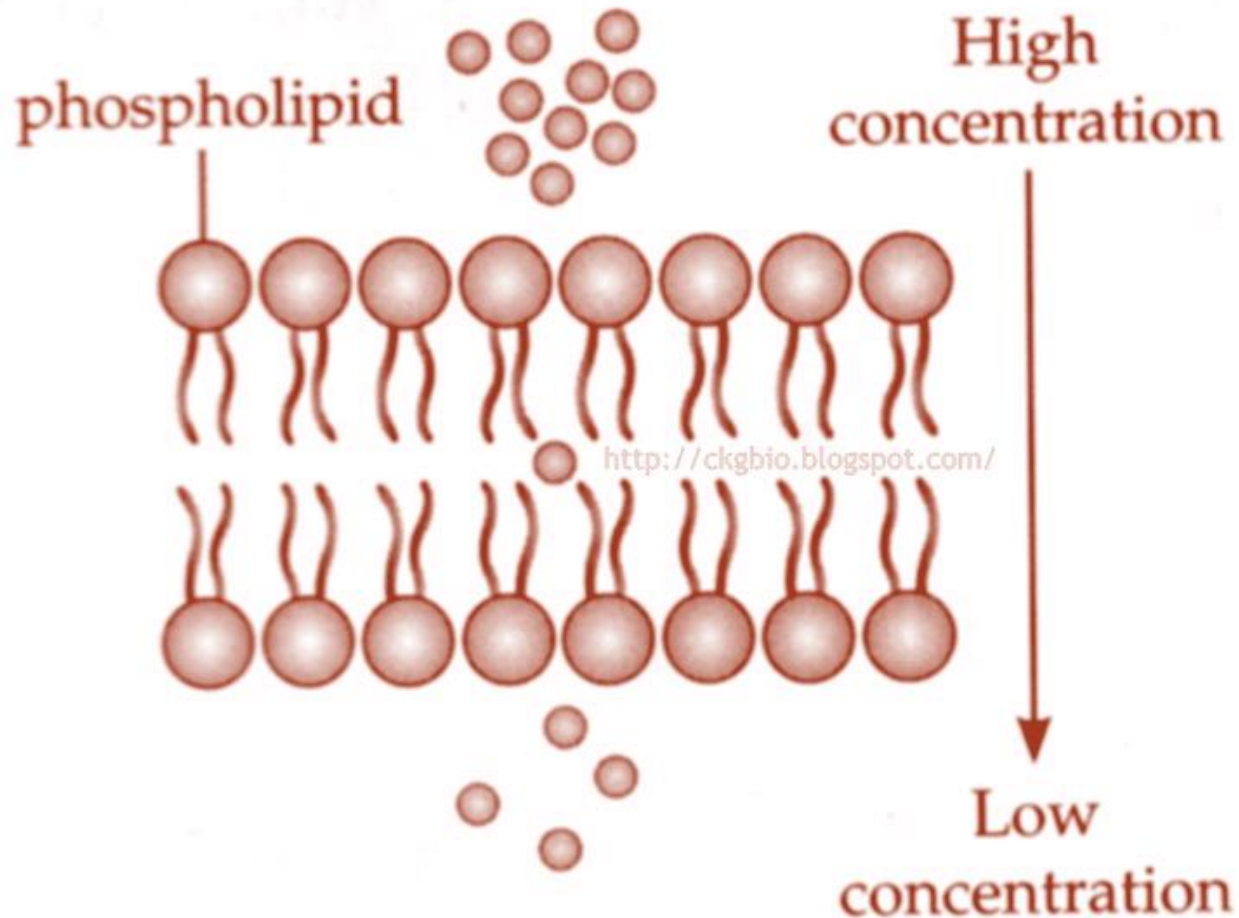
What is osmosis?

Question

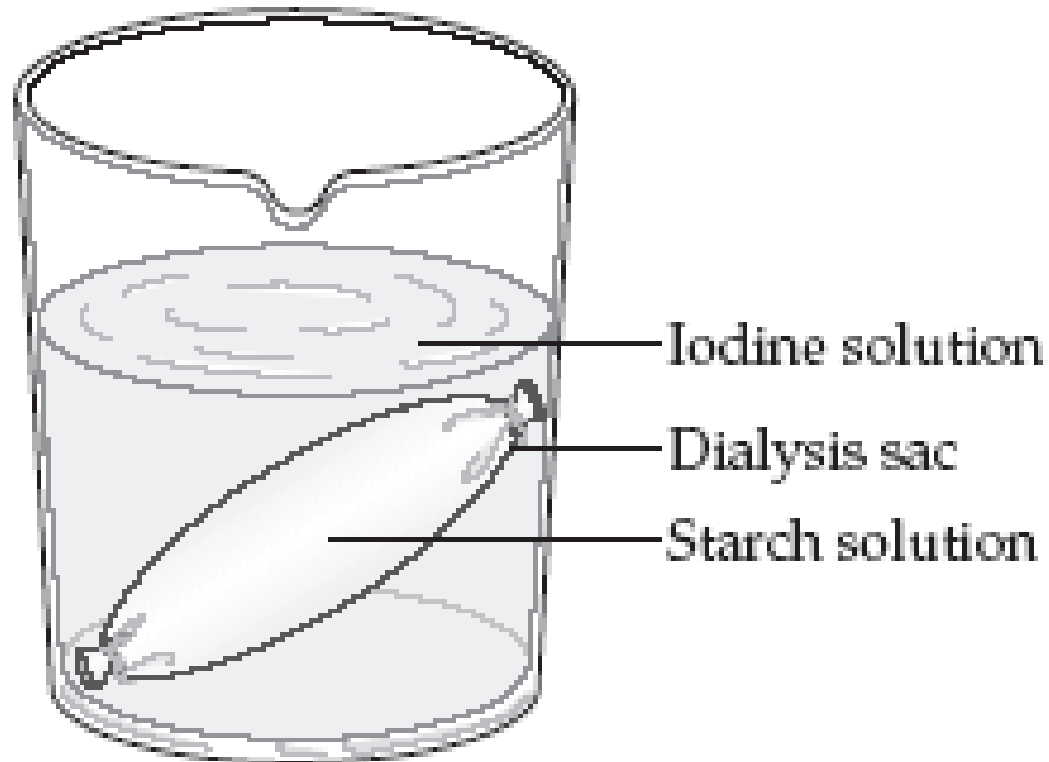


Exactly how do solutes cross the cell membrane?

Remember, the membrane is *fluid*



Experimental Design



Question



What does the dialysis sac represent?

Question



**What does the starch solution
represent?**

Question



**What does the iodine solution
represent?**

Question



How can we write a hypothesis
for our experiment?

Hypothesis



If a cell filled with starch solution is placed in an environment of iodine solution, then _____, because _____.

Question



How will we know if starch molecules or iodine molecules cross the cell membrane?

When iodine contacts starch...

