Q1

a)

Egg 3

Inside of egg 3 is hypertonic (highly concentrated) than distilled H2O (hypotonic) the Distilled water Moved through the Mosaic Membrane Membrane into the egg increase its Mass

b) ~~Heat Denatures the~~ Heat Beyond optimum / very high temperature denatures the Membrane which Contain protein. The protein in the Membrane once is denatured thereby affecting the function of the Membra

c) Glucose + Glucose $\xrightarrow{\text{Condensation}}$ Maltose + water

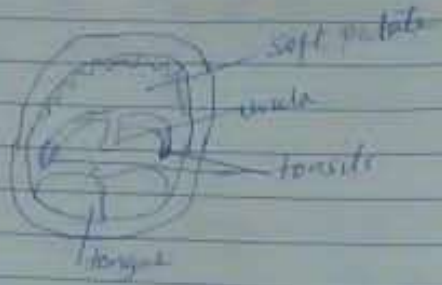
Q3 The Chemical Molecules are big hence cannot to ~~selectively~~ pass the Cell Membrane hence the Membrane selectively allows what get in and out

4 The level of water and iodine solution will decrease. However the Colour of the solution will remain the same since the Solution is permeable to Membrane, the Solution will move by ~~diffusion~~ diffusion to the Side Containing Starch Since the Solution of water and iodine has small molecules

b The Colour of Starch will turn Blue Black since Starch will react with iodine to form a Complex The level of starch Solution will increase and iodine and water gets in

Jan.

5) Soft palate water out of oral cavity, While Coughing to prevent food particles and water and harmful bacteria from getting back



6) Rate of enzyme Controlled reaction decrease since all active site are occupied. The enzyme becomes inactive due to abuse of substrate

7) C - the pumping of pumping of ions by a sodium potassium pump requires energy which must be provided by mitochondria

D - Movement of hydrogen ion against Concentration gradient is by active transport which requires energy from mitochondria

7a)

5) Salt from water out of oral tissues, while losing to tissues that loose our water and dissolved sucrose from getting back

6) Rate of enzyme controlled reaction decrease when all active sites are occupied. The enzyme become inactive due to denaturation of substrate

7) C - to ~~bring~~ of Pumping of ions by a sodium potassium pump requires energy which must be provided by cellular respiration

D - Movement of hydrogen ion against Co-centration gradient is by active transport which requires energy from respiration