

**MINISTRY OF EDUCATION, HERITAGE AND ARTS**  
**YEAR 11 BIOLOGY**  
**REVISION WORKSHEET 2**

Write the answers to the following questions in your exercise/activity books.

**Transport**

1. Write **two** differences between active and passive transport. **(4 marks)**
2. Complete the table by ticking (✓) the correct column for each statement.  
 You may tick more than one column. **(5 marks)**

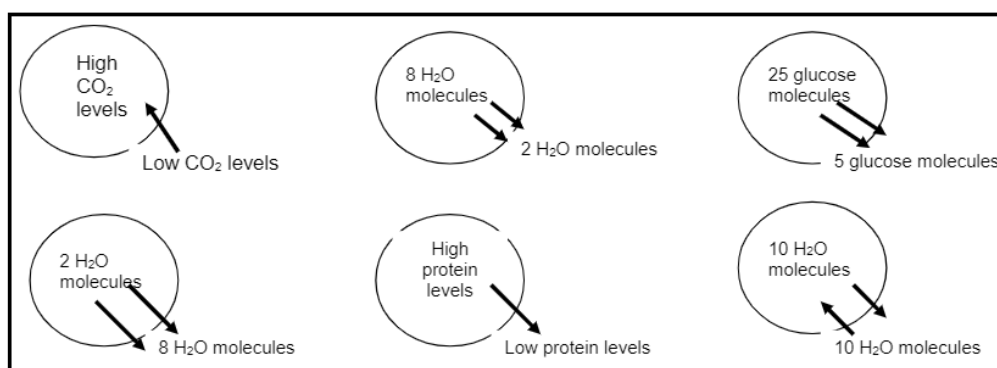
Statement	Isotonic	Hypotonic	Hypertonic
Causes a cell to swell			
Does not change the shape of a cell			
Causes osmosis to take place			
Causes a cell to shrink			

3. Match the term (in the box) with its correct description: **(9 marks)**

active transport	channel protein	equilibrium
exocytosis	facilitated diffusion	passive transport
protein pump	energy	endocytosis

Statement	Correct term
Protein that must change shape in order to transport particles	
Is used during active transport but not passive transport	
Transport protein that provides a tube-like opening in the plasma membrane through which particles can diffuse	
Particle movement from an area of higher concentration to an area of lower concentration	
Process by which a cell expels wastes from a vacuole	
A form of passive transport that uses transport proteins	
Process by which a cell takes in material by forming a vacuole around it	
Particle movement from an area of lower concentration to an area of higher concentration	
When molecules of a substance are spread evenly throughout another substance to become balanced	

4. Label the diagrams of cells using the following terms: diffusion, active transport, osmosis, equilibrium. You may use the term more than once. **(6 marks)**



**The End**