

Worksheet 6

Passive and Active Transport

PART A Complete the table by writing Yes or No in each square.

	ACTIVE TRANSPORT	FACILITATED TRANSPORT	DIFFUSION
1. Requires energy input	a.	b.	c.
2. Moves molecules against their concentration gradients	a.	b.	c.
3. Requires a membrane protein	a.	b.	c.
4. Sodium-potassium pump is an example	a.	b.	c.

PART B Answer the following questions on the lines provided.

1. Name a substance that can diffuse across the cell membrane.

2. Name a substance that is too large to diffuse across the cell membrane.

3. What prevents charged molecules from diffusing across the cell membrane?

4. How is facilitated transport similar to simple diffusion?

5. How does facilitated transport differ from diffusion?

6. How is facilitated transport similar to active transport?

7. How does facilitated transport differ from active transport?

8. Briefly describe the action of the sodium-potassium pump.
