

Cells and Systems

Topic 4 - Fluid Movements in Cells Practice Quiz

1. Certain materials are allowed to pass through it and others are prevented from passing through. The type of cell membrane that is present in a plant and animal cell is called a ...
selectively impermeable membrane

selectively permeable membrane

permeable membrane

impermeable membrane

2. A process which enables substances to spread out, throughout a solution , eventually becoming evenly distributed in the solution, is called ...
distillation

dissolving

desalination

diffusion

3. Whenever nutrients are moved in and out of cells, the process takes place through the cell membrane. This process occurs because of different ...
types of nutrients present

concentrations present

types of membranes

sizes of openings in the membrane

4. Osmosis is the diffusion of water through a selectively permeable membrane. This process occurs because water will move from an area of ...

low concentration to high concentration

high concentration to low concentration

low concentration to low concentration

high concentration to high concentration

5. The transportation of nutrients in plants is the role of the plant's tissue. Specialized tissue connects the roots to the leaves. The Phloem tissue transports ...

water from the leaves to the air in a process called transpiration

water from the roots to the leaves

sugars, manufactured in the leaves to the rest of the plant

energy to the vacuole to utilize the food stored there

Check your
Answers

Cells and Systems

Topic 4 - Fluid Movements in Cells Practice Quiz

1. Certain materials are allowed to pass through it and others are prevented from passing through. The type of cell membrane that is present in a plant and animal cell is called a ...

selectively impermeable membrane

selectively permeable membrane (Text p. 128) A membrane that selects some nutrients to pass through it and not other

permeable membrane

impermeable membrane

2. A process which enables substances to spread out, throughout a solution , eventually becoming evenly distributed in the solution, is called ...

distillation

dissolving

desalination

diffusion (Text p. 129) The spreading-out process is called diffusion

3. Whenever nutrients are moved in and out of cells, the process takes place through the cell membrane. This process occurs because of different ...

types of nutrients present

concentrations present (Text p. 130) Figures 2.13A and 2.13B

types of membranes

sizes of openings in the membrane

4. Osmosis is the diffusion of water through a selectively permeable membrane. This process occurs because water will move from an area of ...

low concentration to high concentration

high concentration to low concentration (Text p. 131) Water moves from a region of high concentration to an area of low concentration (thats why water went into the carrot)

low concentration to low concentration

high concentration to high concentration

5. The transportation of nutrients in plants is the role of the plant's tissue. Specialized tissue connects the roots to the leaves. The Phloem tissue transports ...

water from the leaves to the air in a process called transpiration

water from the roots to the leaves

sugars, manufactured in the leaves to the rest of the plant (Text p. 134) Figure 2.16

energy to the vacuole to utilize the food stored there