

Printable flashcard sheet

Print on US Letter paper. Cut along dashed guides. Write each answer on the card reverse.

CARD 7 - FRONT

QUESTION / PROMPT

CARD 8 - FRONT

QUESTION / PROMPT

CARD 5 - FRONT

QUESTION / PROMPT

CARD 6 - FRONT

QUESTION / PROMPT

CARD 3 - FRONT

QUESTION / PROMPT

CARD 4 - FRONT

QUESTION / PROMPT

CARD 1 - FRONT

QUESTION / PROMPT

CARD 2 - FRONT

QUESTION / PROMPT

Filled example - cell membrane

Fictional study example. Verify your own course definitions and conditions.

CARD 7 - FRONT

Does osmosis require cellular energy?

BACK - ANSWER

No. It is a passive process.

CARD 8 - FRONT

What happens to an animal cell in a hypertonic solution?

BACK - ANSWER

Water leaves the cell, so it shrinks.

CARD 5 - FRONT

How does facilitated diffusion move a solute?

BACK - ANSWER

A protein helps it move down its gradient; no ATP is used.

CARD 6 - FRONT

What is osmosis?

BACK - ANSWER

Net water movement across a selectively permeable membrane.

CARD 3 - FRONT

What does selectively permeable mean?

BACK - ANSWER

Some substances pass through more readily than others.

CARD 4 - FRONT

Which way does net diffusion move a solute?

BACK - ANSWER

From higher concentration toward lower concentration.

CARD 1 - FRONT

What is the cell membrane mainly made of?

BACK - ANSWER

A phospholipid bilayer: two layers of phospholipid molecules.

CARD 2 - FRONT

Which parts of a phospholipid face water?

BACK - ANSWER

Hydrophilic heads face water; hydrophobic tails point inward.