

MAKING TEST CORRECTIONS -

-Complete on notebook paper and attach to your test

1. Write a short explanation of what the question is about?
What information was this question checking to see if you know/understand?
2. Explain WHAT IS WRONG with the answer you picked.
You can't say: "A is wrong because C is right."
OR "A is wrong because A doesn't do that"
3. Give the correct answer along with a source where you found it.

If ATP breakdown (hydrolysis) is inhibited, which of the following types of movement across cell membranes is also inhibited?

- (A) Movement of oxygen into a cell
- (B) Movement of water through aquaporins
- (C) Passage of a solute against its concentration gradient
- (D) Facilitated diffusion of a permeable substance

2013 AP BIO Released Exam

EXAMPLE:

1. This question is checking to see if you understand:
How different kinds of transport work?
How different kinds of molecules move across membranes?
How ATP works to provide energy for cell activities?
2. A is wrong because ATP hydrolysis releases energy. Since A (B and D too) is a kind of passive transport that doesn't require energy, it would not be affected by inhibiting the hydrolysis of ATP.

REMEMBER: YOU CAN'T SAY: "A is wrong because C is right" OR
"because the movement of oxygen isn't inhibited by inhibiting ATP breakdown."
3. C is correct because moving a solute against its gradient requires energy (active transport) so it would be affected by inhibiting ATP hydrolysis.
"Found on Page 42 in textbook" OR "Found in BILL-Types of transport organizer".