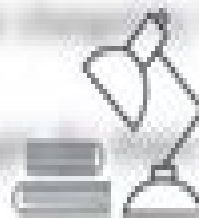


IBDP BIOLOGY HL MCQ

2006 MAY TZ2 Q27

27. According to the graph, the maximum rate of photosynthesis is reached at a light intensity of 1000 units.
- A. The rate of photosynthesis is directly proportional to the light intensity.
- B. The shape of the curve can be changed by the addition of an alternative substrate.
- ☒ C. The limiting factor of the substrate changes at the point where the curve has changed.
- D. Competitive inhibitors can affect the rate of photosynthesis.



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web jan 29 2020 the ionic form of this reaction is $2\text{Na}^+ + 2\text{Cl}^- + \text{Cu}^{2+} + \text{SO}_4^{2-} \rightarrow 2\text{Na}^+ + \text{SO}_4^{2-} + \text{CuCl}_2$ the sodium ions and sulfate ion are the spectator ions in this reaction they appear unchanged in both the product and reactant side of the equation

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web the six no₃ aq ions and the six na aq ions that appear on both sides of the equation are spectator ions that can be canceled to give the net ionic equation $3\text{Ba}^{2+} + 2\text{PO}_4^{3-} \rightarrow \text{Ba}_3(\text{PO}_4)_2$ s

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web the equation below is the final net ionic equation after elimination of the spectator ions which yields water $\text{H}^+(\text{aq}) + \text{OH}^-(\text{aq}) \rightarrow \text{H}_2\text{O}(\text{l})$ the spectator ions in $\text{KOH}(\text{aq})$ and $\text{HNO}_3(\text{aq})$ are $\text{K}^+(\text{aq})$ and $\text{NO}_3^-(\text{aq})$ how to identify and list the

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web aug 8 2022 a spectator ion is an ion that does not take part in the chemical reaction and is found in solution both

before and after the reaction the net ionic equation is the chemical equation that shows only those elements compounds and ions that are directly involved in the chemical reaction

which ions if any are spectator ions in the reaction - Apr 26 2022

web jul 26 2017 answer the spectator ions are explanation in the net ionic equations we are not include the spectator ions in the equations spectator ions the ions present on reactant and product side 16 used to grind chemicals to powder tmraor nda stlepe star 4 4 5 heart 181 verified verified answer food

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web the new format requires students to write balanced chemical equations showing only the reacting substances excluding spectator ions for three different sets of reactants and to answer a short question requiring no calculator about each reaction the questions are intended to test the students understanding of the meaning of the reactions

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web jun 2 2023 the spectator ions are cut out from a reaction hence the net ionic equation for the above reaction would be $2\text{Cl}^- \text{aq} + \text{Cu}^{2+} \text{aq} \rightarrow \text{Cu}^{2+} \text{aq} + 2\text{Cl}^- \text{aq}$ these spectator ions are not actively involved in the reaction the existence of spectator ions affects the debye length