Biology KS5 marking

(e) In oncolytic virotherapy, viruses that destroy cancer cells are injected into the patient. Marked work is often an exam question to allow students to develop exam Not all types of virus are suitable for this therapy. technique. Suggest two features of a virus that make it suitable fo . It is able to replicate itself to destron more cells. . The virus is able to perform usis on th cell to destray it. · Specific tothe cancer Must not be pathogenic Total for Question 7 = 14 marks) Coded targets are used which are copied and answered $\mathcal{T3}$ by students. Corrections are made based on feedback in green pen. 75: Enplain how additional T cells will improve the immune response in adoptive cell thrapy 4) Additional T cells means they can bind to more APCs to stimulate B cell durision and T- killes all activation more strong by T3: Enploin when passive immurotherapy more be more appropriate than active immunotherapy 4 Directly stimulating the body's invinune munocompramised response might be less appropriate. it would require more energy, Furthermore, if a person already has the disease there is no point actuely stumulating a response. Formative corrections are made s (such as macrophage (and to answers and students should 💥 🧃 respond to these in green pen. these antigens to helper T-cells that activate the immune response. Tcells and B cells rapiolly divide and by releasing distray the foreign proteins through phagocytosis

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Comment on the usefulness of using these chemicals for determining the time of death of rats and pigs. Use the information in the graphs to support your answer. (6) analysis of For the graph of pH in the blood, the trend shown is ren and pigs, initaria stord derreares for both time Honever 1 the initial trend is not significant due to energy in the usigue for doorda. vats and pigs. Therefore the Ant mat. Avoid absolute respondes sugnificant. For the leven by anonomia in results time or denit prindap emer ban at for vali 1 significant pendis the 24 hours goes dear dinear anomia th the slowed insearces for pige as time or death increases, These charolidtest is many an engul as they at was significant terribes, meaning the terribe Hut of lunch of lauran 6-mark questions in assessments are reliable. For the marked in detail and extensive verbal overtaps of enon significant feedback given in lessons. results for rate aren't significant and ierth, hyporathine threas init wyou for take but is usigne for prigi is the permits significant (no evenlap or mor bain). The found shown that an tini the blood of inneren , livels in hypererthine in pigs innere of diath tive the size. alevance 1 In The sample size is small therefore may not be significant is overall pigh more usigne than nots for texus Students annotate their corrections in green pen. DUES NOT MEAN OUN ABSOLUTE during in regards he significance it results. emical processes that occur to convert intellerons topic T: T: ATQ for explain Targets may be set by students following assessment feedback. T. CHALL of temp on polynucleotide M groons insection. α-glucose