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GRADE 11

**PHYSICAL SCIENCES: PHYSICS (P1)
HALF YEARLY EXAMINATION
3RD JUNE 2014**

MARKS : 150

TIME : 3 Hours

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Jianjun Gao



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web description treatment of an alkylbenzene with potassium permanganate results in oxidation to give the benzoic acid
notes the position directly adjacent to an aromatic group is called the benzylic position the reaction only works if there is a hydrogen attached to the carbon examples

oxidation of alkylarenes to the corresponding acids using - Mar 10 2023

web may 1 2004 the oxidation of toluene by aq KMnO_4 under hydrodynamic cavitation was taken as a model reaction and various parameters have been optimized the oxidation of toluene by aq KMnO_4 gives benzoic acid scheme 1 KMnO_4 in turn is reduced to MnO_2 the reaction did not give any other byproduct