	End		(Total 5 marks)
	Catalyst can be reused	[1]	
	They have a large surface area So less of the catalyst needed	[1] [1]	
	You should include information about the size and surface area of the particles. [3 marks]		
0 2 . 1	Suggest and explain why the use of nanoparticles of catalyst reduce the catalytic converter.		yst reduces the cost of
	Modern catalytic converters contain nanoparticles of catalyst. Using nanoparticles reduces the cost of the catalytic converter.		
0 2	Cars use catalytic converters in order to reduce emission of harmful chemicals.		
	Very tiny particles or 1 - 100 nm in A few hundred atoms in size.	size [1] [1]	
0 1 . 1	What are nanoparticles?		[2 marks]
	For example, silver nanoparticles are incorporated in footwear, paints, wound dressings, appliances, cosmetics, and plastics for their antibacterial properties.		
0 1	Nanoparticles are being investigated by research scientists because of their wide variety of possible uses.		