	Paper Reference (complete below)	Initial(s)	
Candidate No.	Image: signature		
	Paper Reference(s) 5667/2P	Examiner's use	e only
	Edexcel GCSE		
	Salamaa, Daubla Award D (1526)	Team Leader's u	ise only
	Science: Double Award B (1530)		
	Physics B (1549)	Question Number	Leave Blank
	(Modules 11 and 12)	1	
	Paper 2P	2	
	Foundation Tier	3	
	Thursday 16 June 2005 – Morning	4	
	Time: 30 minutes	5	
	Time. 50 minutes	6	
	Nil		
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One has be	en done for you.				
	copper	glass	iron		
	nylon		rubber		
	conductors		insulators		
			nylon		
					Ç
				(Total 4 marks)	

N 2 1 4 1 8 A 0 2 0 8

quantity	description
acceleration	rate of change of speed
air resistance	• speed in a stated direction
electric current	• downward pull of gravity
velocity	• upward force on a falling object
weight	• rate of flow of charge







(c) A nuclear power station has been dismantled	Leave blank
• Scientists find that the ground contains radioactive waste.	
• They discover that the half-life of the radioactive isotope in the ground 30 years.	15
• A sample of the waste has an activity of 8 Bq.	
• Builders hope that the ground will be completely safe after 60 years.	
(i) What activity would the sample have after 60 years?	
	····
(ii) Explain why people may not want to live in houses built where the nuclear pow station used to be, even after 60 years.	/er
	(2) Q5
(Total 6 mark	(s)
	7

Turn over

$|| \underbrace{144}_{N} \underbrace{144}_{2} \underbrace{144}_{1} \underbrace{144}_{1} \underbrace{144}_{8} \underbrace{144}_{4} \underbrace{144}_{1} \underbrace{144}$

6. The diagram shows part of an electric motor connected to a battery.	Leave blank
The current I is marked along side AB . The force F is also marked on side AB .	
(a) On the diagram add:	
 (i) an arrow showing the direction of the current on side CD of the coil – label this current X, 	
(ii) an arrow showing the direction of the force on side CD of the coil – label this force Y.(2)	
(b) Describe changes that could be made to the equipment that would make the motor spin in the opposite direction.	
(3)	
(c) The motor is connected to a 6 V battery. The current carried by the wire is 0.5 A. Calculate the electrical power supplied to the motor. State the unit.	
(3)	Q6
(Total 8 marks)	
TOTAL FOR PAPER: 30 MARKS END	