

Question number	Answer	Notes	Marks
3 (a)	Idea of <u>electron</u> transfer ; Due to friction / lightning ;	REJECT proton movement ALLOW rubbing / description of friction / flying through charged clouds	2
(b)	Idea of spark / ignition / fire / explosion ;	IGNORE refs to electric shock IGNORE refs to charge jumping / escaping	1
(c)	(Connect to) earth / ground ;	ALLOW earthing / grounding	1
(d)	Idea of charge / current flowing in wire ; Discharges aircraft / no charge is left / no p.d. remains ;	ALLOW no overall charge / (aircraft) neutral IGNORE further discussion of danger ACCEPT " <u>all</u> charge goes to earth" for 2 marks	2

Total 6 marks