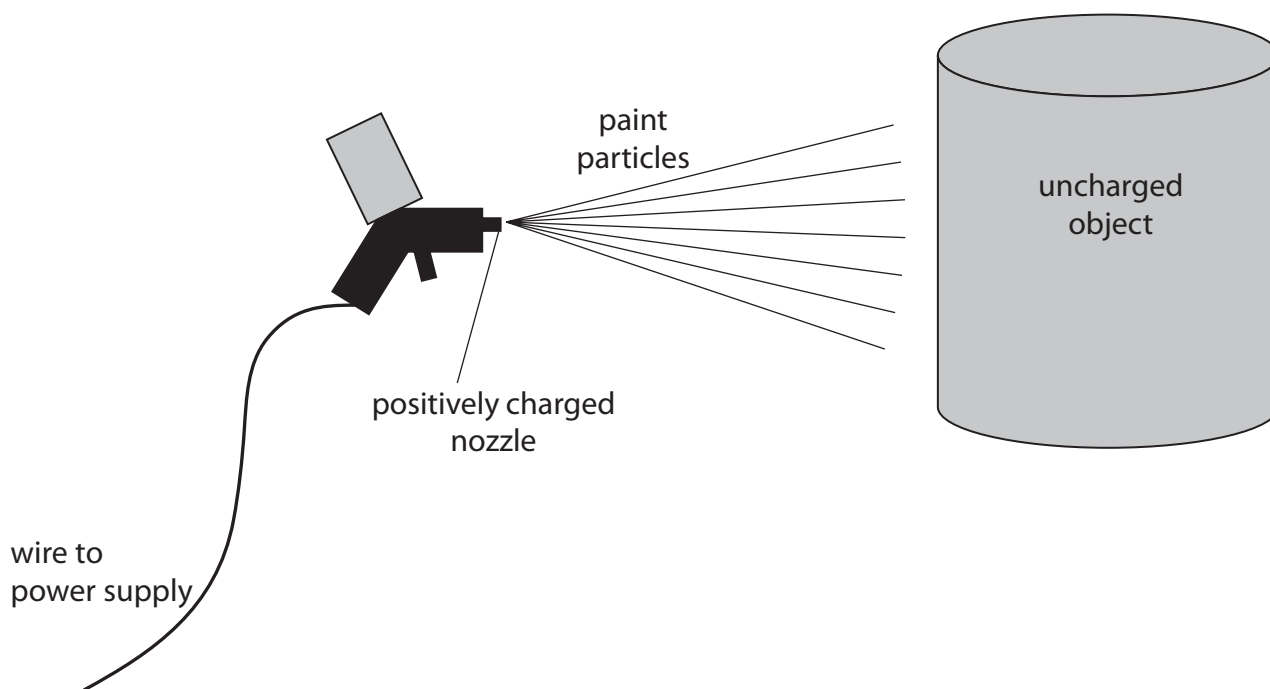


7 An electrostatic paint sprayer is used to paint an object.



(a) The nozzle of the paint sprayer is positively charged.

Explain the advantage of using a charged nozzle.

(3)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



(b) The object is an electrical conductor and is initially uncharged.

Explain why the painting process would be more effective if the object were earthed.

(3)

(Total for Question 7 = 6 marks)

