

Question 1

In this experiment you are going to use a number of different size cards to investigate the effect of air resistance on the motion of a spring–mass system.

- (a) You have been provided with four circles of cardboard all of different sizes. These are labelled **A**, **B**, **C**, & **D**. Find the area of **each** circle giving the appropriate unit. Ignore the small hole in the centre. [3]

CARDBOARD	AREA (A)
A	
B	
C	
D	

- (b) Use the apparatus shown, with card **A** sandwiched between the two 100 g masses on a 100 g hanger.

