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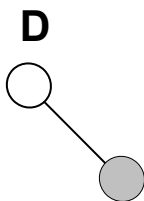
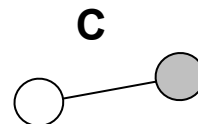
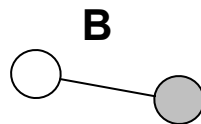
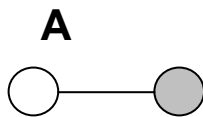
Bilal wants to do an experiment to see how objects fall. He takes an aluminium ball and a steel ball of exactly the same size. The aluminium ball has a mass of 1 kg. The steel ball has a mass of 2 kg. Bilal ties the two balls together with a piece of string.



He stands on a stool, holding them side by side like this, 2 metres above the floor. He then drops them at the same moment.

(a) Which of the diagrams below shows how the balls will look just before they hit the floor?

Write your answer in this box:



(b) Explain your answer: _____

