

- 2 The photograph shows some large concrete cubes.



The mass of one of the concrete cubes is 1000 kg.

- (a) State the weight of this concrete cube.

Give the unit.

(2)

weight of concrete cube = unit

- (b) The density of this concrete cube is 2300 kg/m^3 .

- (i) State the equation linking density, mass and volume.

(1)

- (ii) Calculate the volume of this concrete cube.

(2)

volume of concrete cube = m^3

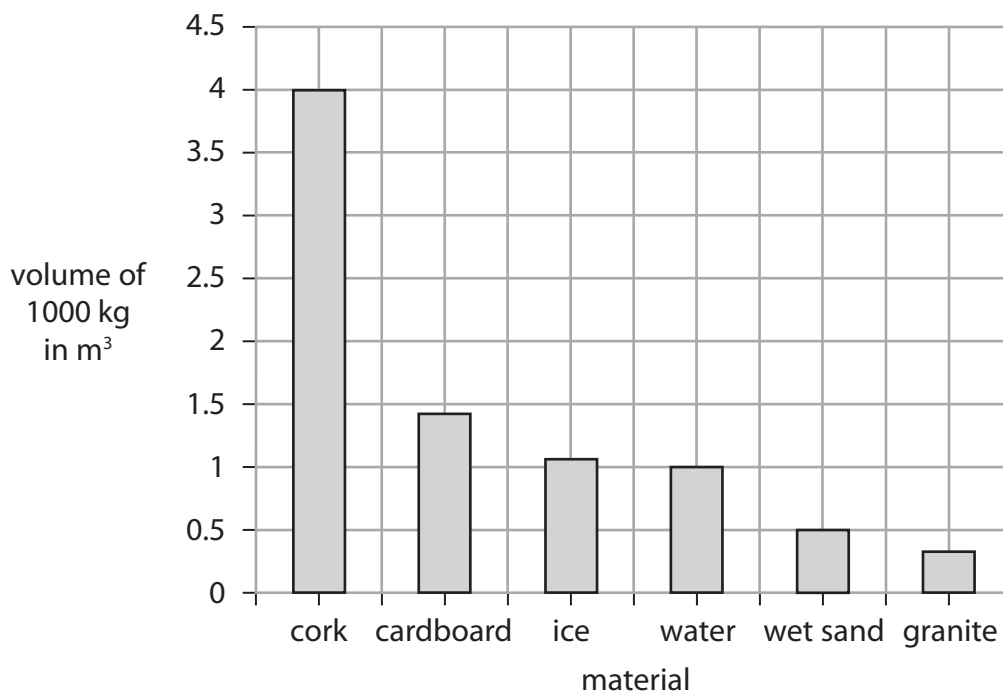
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(c) The graph shows the volumes of 1000 kg of some other materials.



(i) State the type of graph shown.

(1)

(ii) Give a reason why a line graph is not an appropriate way to display this data.

(1)

(iii) Use information from the graph to compare the densities of cork and water.

(2)

(Total for Question 2 = 9 marks)

