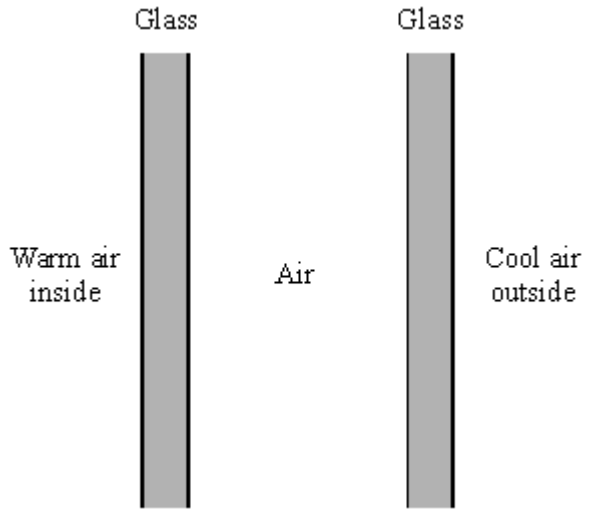
Name of the Student:_____
Max. Marks : 14 Marks **Time : 14 Minutes**

Q1.

The diagram shows a side view of a double-glazed window.



(a) Use each of the terms in the box to explain how heat is lost from inside a house through the window.

conduction	convection	radiation

_____

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_____

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_____

(3)

(b) Besides heat, state **one other** form of energy that passes through double-glazed windows.

_____

(1)

(c) Explain why plastic foam cavity wall insulation cuts down energy transfer between warm inner walls and cooler outer walls.

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(2)

(d) When it rains the walls and windows of a house get wet.

Explain how the drying process can increase the cooling of the house.

_____

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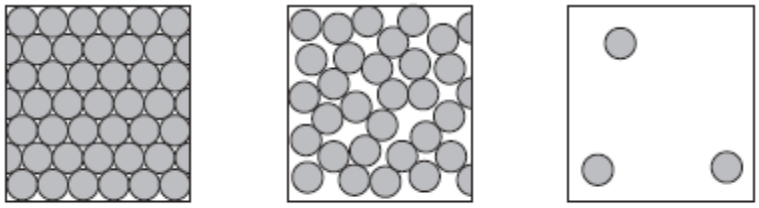
(2)

(Total 8 marks)

Q2.

In this question you will be assessed on using good English, organising information clearly and using specialist terms where appropriate.

The diagram shows the arrangement of particles in a solid, a liquid and a gas.



Use the diagram above and your own knowledge to compare solids, liquids and gases in terms of their particles.

You should include information about the arrangement, movement and energy of the particles.

_____

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(Total 6 marks)

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