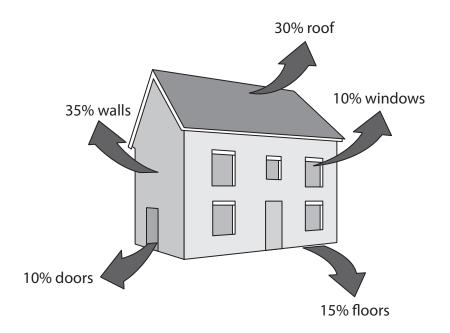
Answer ALL questions.

1 The diagram shows typical values for the percentage energy losses from a house.



(a) Most energy is lost through

(1)

- **A** the floors
- **B** the roof
- C the walls
- **D** the windows

(b) The total percentage energy loss from the roof and the windows is

(1)

- A 10%
- **■ B** 20%
- **D** 40%



(c) Insulation is used to	reduce energy losses from houses.	
	often consists of fibres with air between them	1.
		••
The diagram shows	a section through some insulating material.	
<u> </u>	cold loft	air trapped between fibres
	warm room	_
(i) Explain how this	type of insulation reduces energy loss by col	nduction. (2)
(ii) Explain how this	type of insulation reduces energy loss by co	nvection
(ii) Explain new tine	type of modification reduces energy 1933 by to	(2)
	(Total for O	uestion 1 = 6 marks)

