6. Automated and emerging technologies

6.2 Robotics

- **1** A company uses robots in its factory to manufacture large pieces of furniture.
 - (a) One characteristic of a robot is that it is programmable.

State two other characteristics of a robot.

	1
	2
	[2]
(b)	Give two advantages to company employees of using robots to manufacture large pieces of furniture.
	1
	2
	[2]
(c)	Give one disadvantage to the company's owners of using robots to manufacture large pieces of furniture.

- 2 A farmer uses an automated robot to plant seeds in the field.
 - (a) State what is meant by the robot being automated.

(b) Give three characteristics of a robot.

1......
2.....
3.....
3.....
[1]
[3]

(d)	Give two advantages of the farmer using an automated robot to plant seeds.	
	1	
	2	
		2]
(e)	Give two disadvantages of the farmer using an automated robot to plant seeds.	
	1	
	2	
	_	
		•••
	La construction de la construction	2]
(f)	The robot is adapted to have machine learning capabilities.	
	Explain how this will improve the robot.	
		•••
	[/	2]