

8 A robot is used to move car parts in a factory.

(a) One characteristic of the robot is that it has a mechanical structure.

Give **one** other characteristic of a robot.

.....  
..... [1]

(b) The robot has firmware.

State what is meant by firmware.

.....  
..... [1]

(c) Interrupts are generated when the robot is operating in the factory.

Give **two** examples of interrupts that may be generated when the robot is in operation.

1 .....

2 .....

[2]

(d) Give **two** advantages to the workers in the factory of using robots to move the car parts.

1 .....

2 .....

.....

[2]

(e) The robots have the ability to automatically adapt their own processes.

State the name of the ability described.

..... [1]