1.Georgia uses a digital camera. The digital camera takes a photograph that is then converted

into a digital image.

Complete the paragraph about the operation of a digital camera, using the most appropriate

terms from the list. Not all terms in the list need to be used.

• analogue-to-digital

• binary

• charge-coupled

• digital-to-analogue

• lens

• light

• mirror

• pixel

• reflection

• sensor

• storage

When Georgia pushes the button to take a photograph, an aperture opens at the front of

the camera to allow ............................................................... to stream in through

the ................................................................ This is captured by a sensor called a

............................................................... device. The ...............................................................

converter then converts each ............................................................... into a digital value.

2.A Supermarket uses a barcode scanner to read the barcodes on its products.

a)Describe how the barcode scanner reads the barcodes.

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b)Explain how the barcode system could help the supermarket manage its stocks.

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