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**11** A student investigates the extension of an elastic band for different forces.

(a) (i) List the laboratory apparatus that the student needs for this investigation.

(3)

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(ii) Extension, force and temperature are variables for this investigation.

Draw a line from each variable to its type.

(2)

**variable**

**type of variable**

extension •

• control

force •

• dependent

temperature •

• independent

(iii) Describe how the student can measure the extension of the elastic band when he adds a force of 12 N.

(2)

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