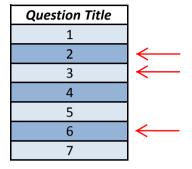
## GCE Geology GL2a 1212-01

**Investigative Geology** 



- 2. Map 1 shows two faults, F1 and F2.
  - (a) Complete **Table 2** with your evaluation of two statements about **Fault F1** and state your evidence from **Map 1**. [2]

Statement	Evaluation (true / false)	Evidence from <b>Map 1</b>
Fault F1 shows strike-slip displacement	•	•
Fault F1 dips at a lower angle than Fault F2	•	

Table 2

5

## 2. Map 1 shows two faults, F1 and F2.

(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

Beds with the same [2] dip are separated from each other.

Statement

Evaluation (true/false)

Fault F1 shows strike-slip displacement

True

Beeds either side of the faunt have shifted and are no longer aligned.

Fault F1 dips at a lower angle than Fault F2

Fault F2

Fault F1 is verhour (90°) and F2 is slightly sinkers society.

To/80°. F1 dips at a

Table 2 higher ongle.

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Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

Beds with the same [2] dip are seperated from each other.

Statement	Evaluation (true/false)	Evidence from Map 1
Fault F1 shows strike-slip displacement	True	· Beds either side of the facult have shifted and are no longer aligned. x
Fault F1 dips at a lower angle than Fault F2	Faise	· FI is vertical (90°) and F2 is slightly sinkes sodies 70/80°. Fldipson a
	Table 2	higher angle.



only

- 2. Map 1 shows two faults, F1 and F2.
  - (a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

Statement	Evaluation (true/false)	Evidence from Map 1
Fault F1 shows strike-slip displacement	· True	have all Shifted towards the left
Fault F1 dips at a lower angle than Fault F2	False	· Fault 1 is a verticle fault.

. . . .

## 2. Map 1 shows two faults, F1 and F2.

(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

Statement	Evaluation (true/false)	Evidence from Map 1
Fault F1 shows strike-slip displacement	· True	have all Shitted tocoeds the left
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only

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Statement	Evaluation (true / false)	Evidence from Map 1
Fault F1 shows strike-slip displacement	· Hostontal True	· Honzartal, Sinstal moveed or beas
Fault F1 dips at a lower angle than Fault F2	· false	FI is 90° and F2 is sussighty Sinus so low age Clour han 90°)

Table 2

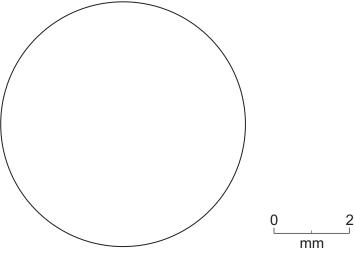
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Fault F1 dips at a lower angle than Fault F2	· false	FI is 90° and F2 in su slightly Sinus so law age (low than 90)





- 3. Specimen C is representative of Rock Unit C on Map 1.
  - (a) (i) Complete **Figure 3a** by drawing, to the scale provided, the texture of **Specimen C**. [4]



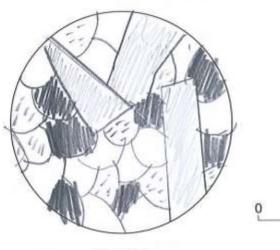


Figure 3a



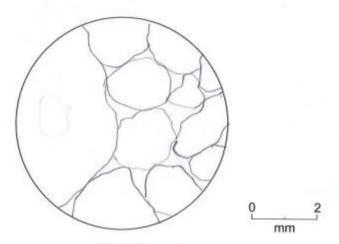


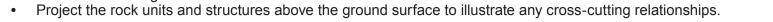
Figure 3a

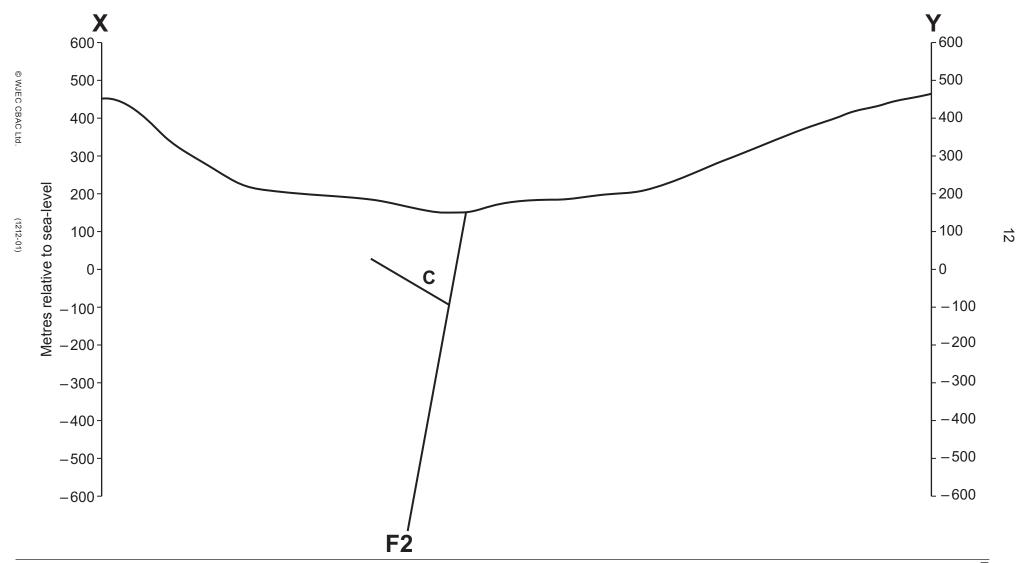
Figure 3a

6. (a) The topographic profile below was taken along the line X–Y on Map 1. Part of the base of Rock Unit C and Fault F2 have been inserted.

Complete the sketch of the geological cross-section along this line using Map 1.

- Draw the rock units. Use similar ornament or letters for these as used on Map 1.
- Draw and label any fold axes.
- Draw arrows alongside **Fault F2** to show movement.





[12]

