

School/Team Name: \_\_\_\_\_ Team # \_\_\_\_\_

Student Names: \_\_\_\_\_

# Answer Sheet

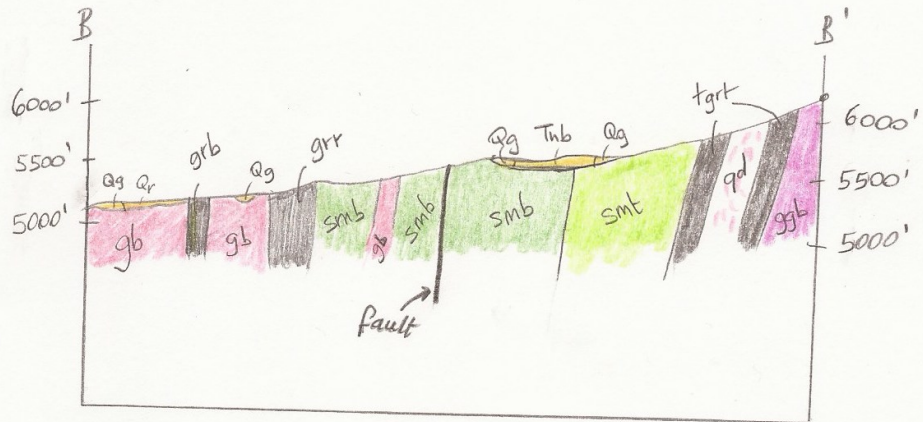
**MASTER KEY**

Tie breaker questions are marked as T##  
where ## is the order in which they will be evaluated

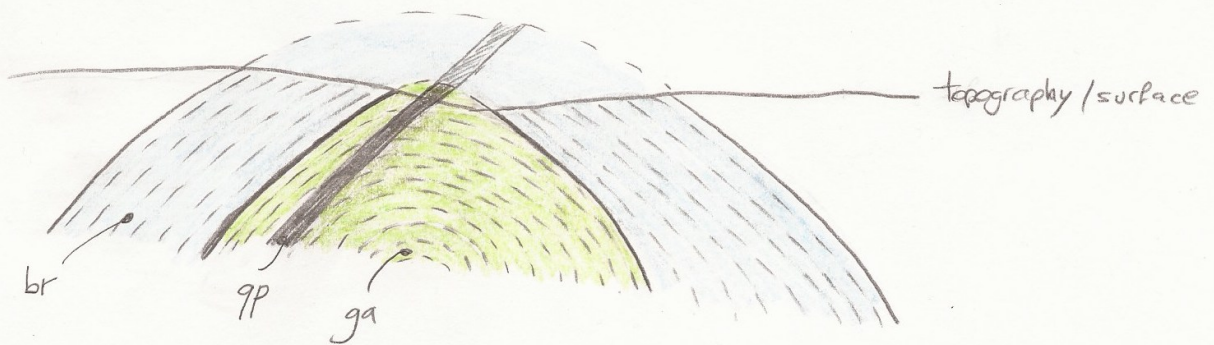
- 1) \_\_\_\_\_ **Qr, Qg** \_\_\_\_\_ (names)
- 2) \_\_\_\_\_ **grr, gb, Thb** \_\_\_\_\_ (names)
- 3) \_\_\_\_\_ **Qr, Qg** \_\_\_\_\_ (names)
- 4) \_\_\_\_\_ **c** \_\_\_\_\_ (letter a-e)
- 5) \_\_\_\_\_ **gb** \_\_\_\_\_ (name)
- 6) \_\_\_\_\_ **a** \_\_\_\_\_ (letter a-e)
- 7) \_\_\_\_\_ **e** \_\_\_\_\_ (letter a-e)
- 8) **T01 (3pt)** CROSS SECTION: DRAW ON NEXT PAGE
- 9) \_\_\_\_\_ **anticline** \_\_\_\_\_ (name)
- 10)(1pt) 1. \_\_\_\_\_ **anticline symbol on map** \_\_\_\_\_  
\_\_\_\_\_ (short answer)  
(1pt) 2. \_\_\_\_\_ **strike and dips of the**  
**units** \_\_\_\_\_ (short answer)
- 11) \_\_\_\_\_ **yes** \_\_\_\_\_ (yes/no)
- 12) \_\_\_\_\_ **anticline limbs dip at same angle** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (short answer)
- 13) CROSS SECTION: DRAW ON NEXT PAGE
- 14) **(2pt)** \_\_\_\_\_ **a** \_\_\_\_\_ (letter a-e)
- 15) **(2pt)** \_\_\_\_\_ **approximately horizontal** \_\_\_\_\_  
\_\_\_\_\_ (value/words)
- 16) **(2pt)** STERIONET: DRAW ON NEXT PAGE
- 17) \_\_\_\_\_ **c** \_\_\_\_\_ (letter a-e)
- 18) **(2pt)** \_\_\_\_\_ **300+/- 25** \_\_\_\_\_ (value in ft)
- 19) (1pt) a. \_\_\_\_\_ **they are parallel to each**  
**other** \_\_\_\_\_ (short answer)  
**(2pt)** b. BLOCK DIAGRAM: DRAW ON NEXT PAGE
- 20) \_\_\_\_\_ **d** \_\_\_\_\_ (letter a-e)
- 21) \_\_\_\_\_ **b** \_\_\_\_\_ (letter a-e)
- 22) \_\_\_\_\_ **The trace of the fault that is not**  
**exposed** \_\_\_\_\_ (short answer)
- 23) \_\_\_\_\_ **smb** \_\_\_\_\_ (name)
- 24) \_\_\_\_\_ **Qta** \_\_\_\_\_ (name)
- 25) **T03** (1pt) a) **F** \_\_\_\_\_ (T/F/N)  
(1pt) b) **T** \_\_\_\_\_ (T/F/N)  
(1pt) c) **N** \_\_\_\_\_ (T/F/N)  
(1pt) d) **T** \_\_\_\_\_ (T/F/N)  
(1pt) e) **F** \_\_\_\_\_ (T/F/N)
- 26) \_\_\_\_\_ **d** \_\_\_\_\_ (letter a-e)
- 27) \_\_\_\_\_ **Transfer Mercator** \_\_\_\_\_ (name)
- 28) \_\_\_\_\_ **Cylindrical** \_\_\_\_\_ (word)
- 29) **Equatorial plane** \_\_\_\_\_  
\_\_\_\_\_ (short answer)
- 30) \_\_\_\_\_ **Local shapes, directions** \_\_\_\_\_  
\_\_\_\_\_ (short answer)
- 31) \_\_\_\_\_ **c** \_\_\_\_\_ (letter a-e)
- 32) **T04** (1pt) 1. Highlands: \_\_\_\_\_ **d** \_\_\_\_\_ (letter a-e)  
(1pt) 2. Lowlands: \_\_\_\_\_ **c** \_\_\_\_\_ (letter a-e)
- 33) **(3pt)** \_\_\_\_\_ **flow direction of the rivers**  
**(2pt) and contour lines (1pt)** \_\_\_\_\_

- \_\_\_\_\_ (short answer)
- 34) **(2pt)** 30° 5' +/- 2', 97° 58' +/- 2' \_\_\_\_\_  
 \_\_\_\_\_ (coordinates)
- 35) Keys Valley Marl \_\_\_\_\_ (name)
- 36) marine \_\_\_\_\_ (word)
- 37) **(2pt)** Edwards Limestone \_\_\_\_\_ (name)
- 38) **(3pt)** accepted: porosity, lithology (limestone/dolomite), sorting (well-sorted), cavernous \_\_\_\_\_  
 \_\_\_\_\_ (words)
- 39) karst \_\_\_\_\_ (word)
- 40) **(2pt)** a \_\_\_\_\_ (letter a-e)
- 41) e \_\_\_\_\_ (letter a-e)
- 42) d \_\_\_\_\_ (letter a-e)
- 43) b \_\_\_\_\_ (letter a-e)
- 44) Quaternary \_\_\_\_\_ (name)
- 45) Lower Cretaceous \_\_\_\_\_ (name)
- 46) **T05 (2pt)** e \_\_\_\_\_ (letter a-e)
- 47) c \_\_\_\_\_ (letter a-e)
- 48) d \_\_\_\_\_ (letter a-e)
- 49) b \_\_\_\_\_ (letter a-e)
- 50) **(2pt)** The info in the correlation map and cross sect can be derived from the map, source of data is extra info \_\_\_\_\_  
 \_\_\_\_\_ (short answer)
- 51) **(2pt)** e \_\_\_\_\_ (letter a-e)
- 52) 87.501667 - accept +/-0.01 (number)
- 53) BRUNTON \_\_\_\_\_ (name)
- 54) White \_\_\_\_\_ (word)
- 55) **(2pt)** c \_\_\_\_\_ (letter a-e)
- 56) a \_\_\_\_\_ (letter a-e)
- 57) **T06 (2pt)** d \_\_\_\_\_ (letter a-e)
- 58) SILVA \_\_\_\_\_ (name)
- 59) e \_\_\_\_\_ (letter a-e)
- 60) **T08 (2pt)** d \_\_\_\_\_ (letter a-e)
- 61) **(0.5pt EACH)** a) e \_\_\_\_\_ (letter a-g)  
 b) a \_\_\_\_\_ (letter a-g)  
 c) f \_\_\_\_\_ (letter a-g)  
 d) d \_\_\_\_\_ (letter a-g)  
 e) c \_\_\_\_\_ (letter a-g)  
 f) g \_\_\_\_\_ (letter a-g)  
 g) b \_\_\_\_\_ (letter a-g)
- 62) c \_\_\_\_\_ (letter a-e)
- 63) **(0.5pt EACH)** a) g \_\_\_\_\_ (letter a-h)  
 b) f \_\_\_\_\_ (letter a-h)  
 c) h \_\_\_\_\_ (letter a-h)  
 d) e \_\_\_\_\_ (letter a-h)  
 e) b \_\_\_\_\_ (letter a-h)  
 f) d \_\_\_\_\_ (letter a-h)  
 g) c \_\_\_\_\_ (letter a-h)  
 h) a \_\_\_\_\_ (letter a-h)
- 64) **(0.5pt)** b \_\_\_\_\_ (letter a-h)
- 65) **T02(3pt)** a, i, d, c, f, h, g, b, j (letters a-j)

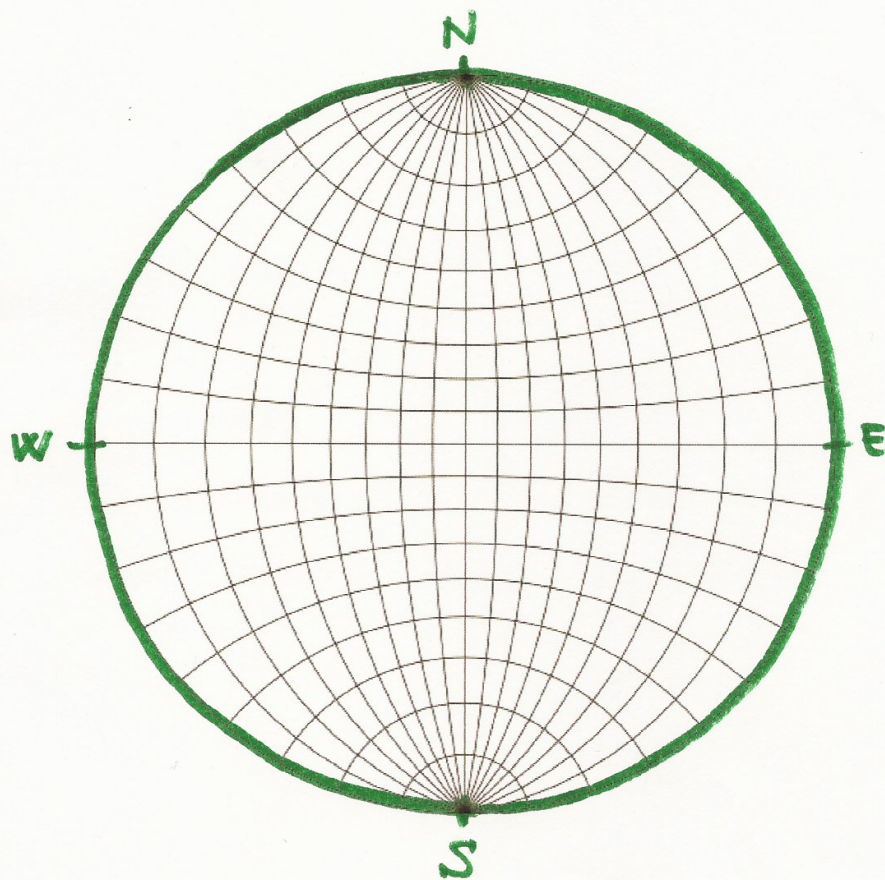
→ 8) **T01** DRAW B-B' CROSS SECTION HERE:



→ 13) DRAW Box1 CROSS SECTION HERE



→ 16) STEREO NET:



→ 19) b. BLOCK DIAGRAM OF COYOTE CANYON:

