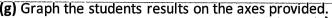
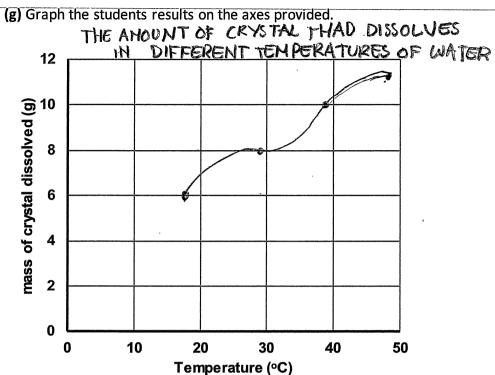
Class: G	0	S	F	R	Ò	Student	Name: Alexante/ (aw	
Part .	A /16						v. 1. 4. 781. G	Λ
Part	B / 27							
TOTA		T for M	II II TIDI F	/43 ·	F -Clear	ly mark 1 :	answer for each	a question
QUEST		A	IOLIII EE		В	iy mark 1	C	D
1							- /	
2		-						· ·
3								
4							•	③ √
5				Ø		✓		
6							✓	
7			✓					
8					, ,			V
9			√					
10						V		
11			✓					
12					ı	/		
13			✓					
14								1
15					,	,		į
16								V

27 marks Attempt Questions 16-19. Allow about 35 minutes for this section	
Question 16 (15 marks)	Marks
The paragraph below is a student's write-up	of an experiment.
some of the crystals in it and stirred the mix some remained on the bottom of the tube n 2. I filtered the mixture and then evaporated amount of solid left behind and found that 6 3.Then I did it again but this time I heated th	d all the water from the solution. I weighed the 5.0 g had been dissolved. ne water using a Bunsen burner, gauze mat and ed form a retort stand using water at 29°C. I found
(a) Write an aim appropriate for the exp	periment.
· · · · · · · · · · · · · · · · · · ·	temperature of the water affects how much
(b) \ Complete the table for the student's	results. 2
Temperature of water (°C)	Amount of crystal disolved (9)
18°C	6,09
296 C	8,09
	10.09
40° (. 11 0
73oc	11.29

Independant: the crystals in the water

bunsen





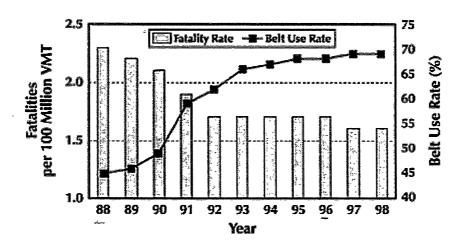
(h)	Writ	Write a conclusion for the experiment.								•	1
	t⁄ne ¹	higher	fhe	temperature	ucsj	the more	.orystal	.Hat.gets.d	issolved.	in the	
	te:	st tube									

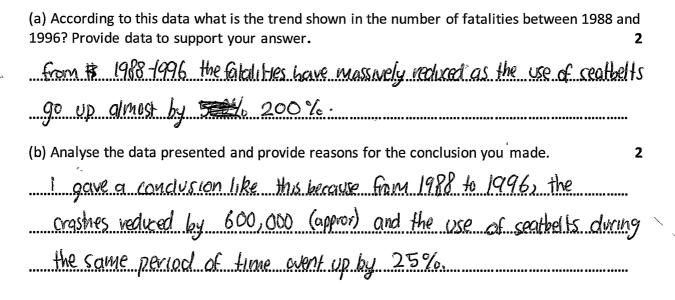
Question 17 (4 marks)

The following scientists are working in different branches or disciplines of science. Identify which branch each is working in:

Activity	Branch of Science
Paris is studying the crystals embedded in a rock.	Geology
Beau is developing a new type of plastic	-cinemat ry Chemistry
Shaun is investigating the eating habits of insects	enternology Enternologi
Angus is monitoring the movement of an asteroid	astronomy.

The graph shows information about road fatalities and the use of seat belts in cars.

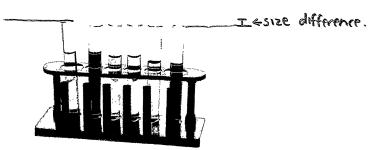




Π.

Question 19. (4 marks).

The drawing made by a scientist was twice as big as the real size of the object. Determine the actual length of the whole piece of equipment. Show your working. 2



total length of rack= 4.3 actual size= 4.3 = 2=2.15cm = vack	
test tube = 0.4 cm. actual size = 0.4x 0.4 +2 = 0.2cm = tu	lbe.
b) There are some problems with the equipment diagram above. Identify two things that the scientist needs to change to accurate represent the equipment above.	2
- same size test tubes -20 drawring	•
-no colours	

END OF EXAM