Biology	4605/7220
Quiz 5a	

Name	
	20 October 2004

In 1976, Paffenhofe (in µg/mm³) in 3 sp Prorocentrum micas The number of meas	ecies of algae, ns.	Gonyaulax p	polyedra, Gyr	nnodinium	splendens, and	d
 Write a symbol f 		1 2	•	_	i III. micenis.	[1]
·					G.s., or P.m.)	[1]
2. Write a general l	inear model re	lating the res	ponse variab	le to the ex	xplanatory varia	able.
	_=				_[4]	
3a. If the symbol for then write a s	or the true (para symbol for the	ametric) carb true or paran	on content of netric carbon	f <i>G. polyed</i> content of	dra is μ_{Gp}	
G. splendens		P. mica	ans			[2]
3b. Using these three content depends on		rite an H _A /H _o	pair for testing	ng whether	r or not carbon	
content depends on						_[2]
	H _o :					_[2]
4a. Complete the fo	ollowing table.	[7]		SS MS = r served F-ra	degrees of free S = Sums of squeen square = S atio of mean square error in accepting	uares SS/df uares
Source	df	SS	MS	F	p	
Species			15543.9	76.1	< 0.0001	
Residual						

4b. The total df is 25. Show how this is computed.

<u>25</u>

total

[1]