Biology 115c Schulze 2020 **Evolution, Behavior, & Ecology Quiz #1**

Name (printed)Breana Wooten This work was completed in accordance with the Austin College academic integrity policy.		
(If	I have not cheated (signature) submitting an electronic version by email, simply indicate whether you have cheated this exam. You don't need to find a way to add your signature.)	
0 0 0	Read each question carefully. If a question appears ambiguous, ask for clarification. Keep an eye on the clock. Do not get bogged down on difficult questions when relatively easy questions remain to be answered. Write legibly and try to confine your answers to the space provided. If you must have more space, continue elsewhere on the exam – but indicate that you have done so. Written answers should explain reasoning or evidence, not simply make unsubstantiated claims.	
1.	Support or refute the following claim. "Scientists can prove general relationships when they test hypotheses." (6 points). (Think about these things before you begin to write. Does your answer say what you mean? Is it clear? Is it complete? After you write your answer, read it over to make sure it is as intended.)	
	efute the claim. Hypotheses can either be supported or not supported, they cannot proven or disproven.	
	ultiple Choice Questions. Choose the <u>single</u> best answer. <i>Do not select 2 or more</i> swers. <i>2 points each</i> .	
	Which of the following is an example of inductive reasoning? The first few students learned more when using my note taking method, so others probably will as well. All students learn more when using this method, so this student will too. When students practice explaining concepts prior to a test, they are alerted to things they do not yet understand, and that helps them concentrate and study more	
_x.	effectively all of the above none of the above. Evolution occurs so that _ species become better adapted to their environments species do not go extinct individuals survive and reproduce more advanced species arise.	
	organisms become perfect. all of the above. none of the above.	

	ll the <i>New York Times</i> puzzle with the sequence of numbers 2, 4, 8. What was the
	letermining the rule the sequence follows? Try many different numerical sequences to see if they comply with the rule. Test every possible sequence of numbers ranging from 2 to 8.
	Test every possible sequence of numbers ranging from 2 to 8.
	Imagine a rule and then test sequences that follow that rule.
	Imagine a rule and then test sequences that do not follow that rule.
	All of the above.
	None of the above.
5. I ran	experiments in Lake Texoma that involved incubating a species of zooplankton
(shrimp	-like crustaceans about 1mm long) in special mesh containers upstream (near
	he Red River enters) and downstream (near the dam). I measured how fast the
zooplar	akton reproduced when incubated in the water from either of the two locations.
Select t	he correct answer.
	The independent variable was how fast the zooplankton reproduced.
	The dependent variable was the species of zooplankton.
	The replicates were the locations in the reservoir.
	The dependent variable was how fast the zooplankton reproduced.
	The independent variable was the species of zooplankton.
	Why would anyone run that experiment?
	All of the above (except the previous answer choice).
	None of the above.
6 V011 (should finish an antibiotic prescription even if you feel better because
	if lots of people fail to finish antibiotics, resistant bacteria are more likely to
	become abundant.
	some bacteria may be less vulnerable to the antibiotic than others.
	even though you may feel better after a few days, some bacteria may still survive
	and have the potential to grow a large population that will make you (and
	potentially others) sick if you stop taking the antibiotic.
X_	all of the above.
	none of the above.

(continued on next page)

/. Ine	process of nelps to ensure that a scientist's research is original,
signifi	cant, logical, and thorough.
x	publication. public speaking. peer review. the scientific method. all of the above. none of the above.
8. Whi	ch of the following are products of artificial selection?
	Broccoli
	German Shepherds
	Angus cattle
	Roses
	Calico cats
_X	All of the above
	None of the above