

## NEW YORK CITY COLLEGE OF TECHNOLOGY

THE CITY UNIVERSITY OF NEW YORK

## **DEPARTMENT OF ARCHITECTURAL TECHNOLOGY**

NAME:	3551 Final Exam	F2020	Prof. Azaroff
3551 Final Vocabulary Quiz:			
Answer a portion of the vocabulary in each section as listed and cor			
HAND written. Once complete the pages shall be scanned and phot	ographed then emaile	ed in by the end	of class on May
21 <sup>st</sup> , 2020			
Section 1 Vocabulary Answer ALL of the following eleven	n questions		
TROMBE WALL			
RECYCLED WATER			
RECICLED WATER			
BIOSOLIDS			
DRAINAGE SWALE			
COMPINIES CTORMANIATES OVERELOW EVENT (CCO)			
COMBINED STORM WATER OVERFLOW EVENT (CSO)			
RAMMED EARTH			
GRAY WATER			
BLACK WATER			

GROUND WATER	
CO-GENERATION	
AQUIFER	
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PART 2A: Answer the following questions in complete sentences. Sketch your answer in a diagram with explanation.

Provide and illustrate two methods by which Architects can control the **quantity and quality** of water that exits a building or site before it joins the municipal sewer system? Describe each in YOUR OWN WORDS!!!!

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3551 Final Vocabular	y Quiz: Answer <b>ALL</b> o	of the following nin	e definitions.
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MACROCLIMATE	
MICROCLIMATE	
MICROCLINATE	
MESOCLIMATE	
SIRR	
DRY BULB TEMPERATURE	
RESILIENT	
RELATIVE HUMIDITY	
RELATIVE HOWIDITY	
DEGREE DAYS (HEATING & COOLING)	
BIOCLIMATIC CHART	
	Į.

PART 2B: Answer the following questions in words and Sketch format.

Sketch 2 examples of Atria and the advantages or qualities they bring to a project. Be specific in your description and use graphics such as arrows to show how the Atria work.

## **Section 3**

12. Ecological Footprint

3551 Final \	Vocabulary Oui	· Answar All	of the vocabular	v in section 3
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3551 Final Vocabulary Quiz: Answer ALL of the vocabulary in section 3		
1.	LEED	
2.	Frankenstein products	
3.	Renewable Resource vs Non-Renewable Resource	
4.	Circular ecconomy	
5.	Passive Solar Systems	
6.	Active solar Systems	
	Carbon Emissions	
	GHG	
	Superfund Site	
	Brownfield  Usban Infill	
11.	Urban Infill	

13.	Define Lux and Lumens
14.	Building Commissioning
15.	R Value / U Value
16.	I.C.F. 's
17.	Heat Island Effect
18.	Low ' E'
19.	Fritted Glazing
20.	S.I.P's
21.	SRI
22.	upcycle
23.	Energy Audit

24.	Solar Heat
25.	Geothermal Heat-Pumps
26.	Building Management Systems
27.	Commissioning
28.	Eco Efficient
29.	Renewable Energy - Distributed Generation
30.	Direct solar gain systems list 2 advantages
31.	Direct solar gain systems list 2 dis-advantages
32.	Indirect solar gain systems list 2 advantages
33.	Indirect solar gain systems list 2 disadvantages
	34. Eco Effective

35. DFE

system maintain heated water?

36.	BFE
37.	Freeboard
38.	What does the cherry tree represent in our readings?
39.	Who was Rachel Carson and name two OF her contributions
40.	Who was Ian McCarg and name one of his major contributions
41.	What does 80 x 50 stand for?
42.	Biomass
43.	What is the significance of the cherry tree?
3A.	Sketch the following (Extra Credit)
	or diagram a <u>Passive Hot Water</u> heating system and an <u>Active Hot Water</u> heating system. Describe ir vn words the way in each system works in detail. How does the system heat water? How does the