Name:			Date:			_ Class:	
	Pe	rson	al Rain Ga	ırden Work	ksheet	t	
ne of day _	Te	empera	ture	Humidity		Dew point	
ather							
From the	Does Media Ma	atter? V	Vorksheet , list tl	he media mix com	bination	materials and ratio, and	
Material 1		Material 2		Material 3		Material 4	
Volume/ratio of material 1		Volume/ratio of material 2		Volume/ratio of material 3		Volume/ratio of material 4	
				Average infiltrati	ion rate		
	_		sheet , list the typ	pes of materials u	sed to cre	eate the concrete mix	
Material 1			Material 2		Material 3		
Amount (volume/ratio) of material 1) of	Amount (volume/ratio) of material 2		Amount (volume/ratio) of material 3		
From the	Magic Sidewalk	k Works	sheet , list the inf	filtration rates.			
Volume of water (r		ter (ml	nl) Time (sec)		Infiltration rate (ml/sec)		
Trial 1							
Trial 2							
Trial 3							
		Cald	culated average	infiltration rate			
From top	to bottom, wha	t are th	e four zones tha	at make up a typic	al rain ga	rden?	
Zone 1							
Zone 2							
Zone 3							
Zone 4							
	From the combinat From the combinat Trial 1 Trial 2 Trial 3 From top Zone 1 Zone 2 Zone 3	Per of dayTeather Teather	Personate of dayTemperate and properties and Rain Garden Properties From the Does Media Matter? Voits average infiltration rate. Material 1	Personal Rain Game of day Temperature	Personal Rain Garden Work the of dayTemperatureHumidity the ather sonal Rain Garden Properties From the Does Media Matter? Worksheet, list the media mix comits average infiltration rate. Material 1	Personal Rain Garden Workshee: the of day	

5.	Select an appropriate location on the school campus to construct a rain garden and describe characteristics of the runoff area in terms civil engineers would use (infiltration, percolation, permeability, bioretention, green infrastructure, low-impact development, transpiration rate, etc.).
	Measure the rainfall runoff area:ft².
	Determine the rain garden area, usually 2% to 5% of the runoff area:ft² and ft².
6.	Make a sketch of the rainfall runoff area. Include labels, measurements and rain garden location.

Name: ______ Date: ______ Class: _____

:	Date:Class:
rom the <i>Just Breathe Green W</i>	/orksheet , select native plants to grow in your personal rain gard
Plant species	
Common name:	Scientific name:
Light	
requirements	
Height	
Soil conditions	
3011 conditions	
Transpiration	
rate (ml/min)	
Plant Species	
Common name:	Scientific name:
Light	
requirements	
Height	
rieight	
Soil conditions	
T	
Transpiration	
rate (ml/min)	
Plant Species	0.1.10
Common name:	Scientific name:
Light	
requirements	
Height	
Soil conditions	
Transpiration	
rate (ml/min)	
,,	

- 8. Plant, mulch and water.
- 9. Mark and label on the sketch (#6) the location of your team's personal rain garden, as well as the locations of other groups' personal rain gardens.