

# ECO TRAIL WORKSHEET FOR SECONDARY LEVEL



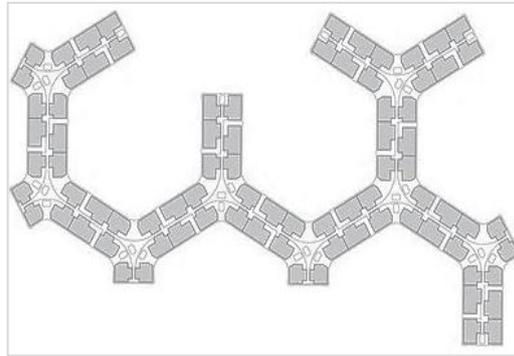
Name :  
Class :  
Date :

## LET'S EXPLORE WATERWAY TERRACES I

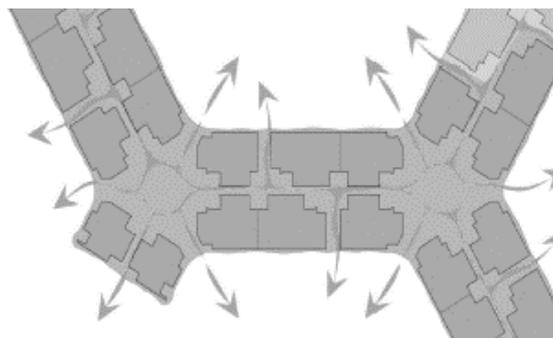
Fill in the Blank

<b>Helping Words</b>	Rain	Sun Pipe	Lighting	ventilation
	terraced rice	Green Roof	recyclable waste	hexagonal

1. **Waterway Terraces I is inspired by \_\_\_\_\_ fields across Southeast Asia. The buildings are joined together in a \_\_\_\_\_ arrangement to form 3 courtyards, to bring the residences closer to nature.**



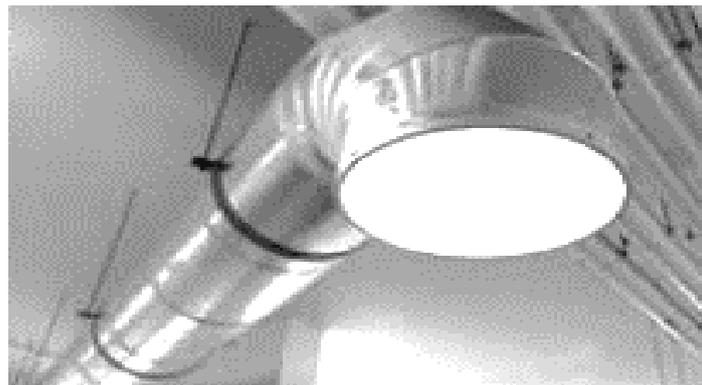
2. **The natural \_\_\_\_\_ provided at common areas helps to reduce the need to depend on mechanical ventilation, such as using electric fans to reduce overall energy consumption of the building.**



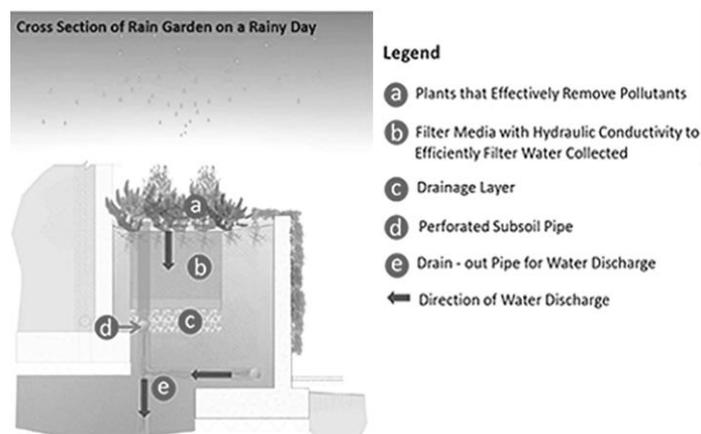
3. To promote recycling, residents here have access to 2 refuse chutes. One is for collecting general waste, and the other is for collecting \_\_\_\_\_.



4. The \_\_\_\_\_ System helps to bring daylight to the basement carpark and reduce the need for artificial lighting during the day.



5. The \_\_\_\_\_ Garden is implemented around the common green area to pre-treat hardscape run-offs before discharging them into the storm water drains for more effective water management.



## LET'S EXPLORE PUNGGOL WATERWAY

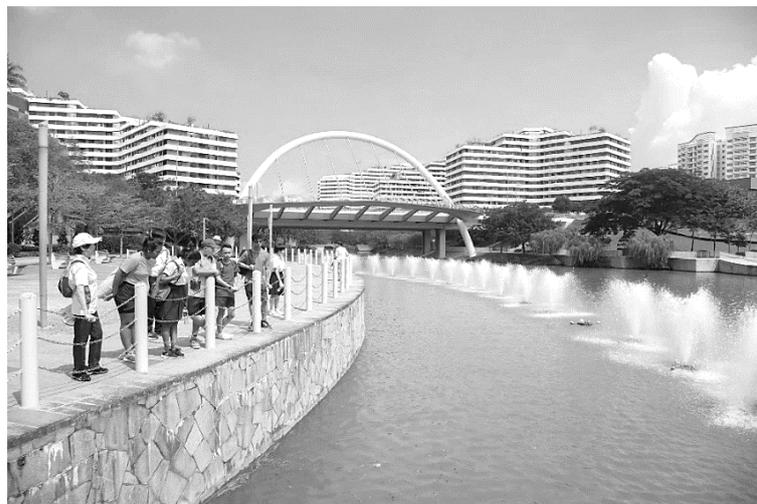
Fill in the Blank/Circle the correct answer

<b>Helping Words</b>	aerators	egg cutter	crab net	fountains
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1. The Punggol Walk Bridge is shaped like a ' \_\_\_\_\_ ', to remind us of Punggol's past as a fishing village.



2. 90 surface \_\_\_\_\_ are installed along waterway to ensure that there are enough oxygen in the water to support a wide range of biodiversity and also prevents algae bloom.



3. **Marginal planting found at the banks of the waterway:**

- a. ensures that the water flowing into the waterway is free of substances that are harmful to aquatic life.
- b. helps to filter silt and debris from the water flowing into the waterway.
- c. protects the soil along the banks from being washed away.
- d. All of the above.



## LET'S EXPLORE PUNGGOL TOWN SQUARE AND PUNGGOL DISCOVERY CUBE

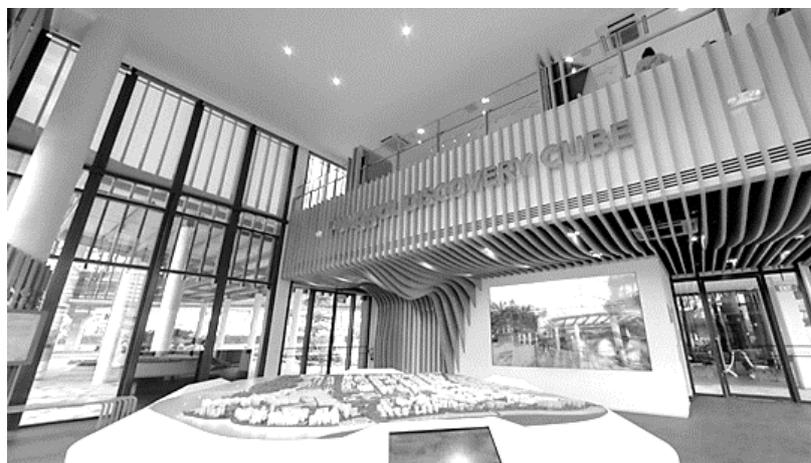
Fill in the Blank

<b>Helping Words</b>	mingle	eco	together
	sustainable	history	play

1. Punggol Town Square serves as an important gathering point for residents, where they can come \_\_\_\_\_ and \_\_\_\_\_ via various events and activities.



2. On the 2<sup>nd</sup> level of Punggol Discovery Cube, visitors can learn about the rich \_\_\_\_\_ of Punggol and \_\_\_\_\_ initiatives that we have implemented in the town.





## WORD SEARCH PUZZLE

Circle the correct answer

Look for the following words in the Word Search Puzzle:

<b>PUNGGOL ECO TOWN</b>	<b>REDUCE</b>	<b>BIODIVERSITY</b>	<b>SWALES</b>
<b>SUSTAINABILITY</b>	<b>REUSE</b>	<b>WATERWAY</b>	<b>ENVIRONMENT</b>
<b>ENERGY</b>	<b>RECYCLE</b>	<b>GREENERY</b>	<b>SOLAR PANELS</b>
<b>HEXAGONAL</b>	<b>CRAB NET</b>	<b>TRANSFORMATION</b>	<b>WETLANDS</b>

H	E	X	A	G	O	N	A	L	H	W	S	M	H	U	T	Z
R	O	S	E	L	L	E	N	V	I	R	O	N	M	E	N	T
P	E	F	D	R	E	R	T	Q	Y	A	L	S	Y	S	B	R
U	E	K	J	S	W	A	T	E	R	W	A	Y	I	U	V	A
N	R	W	E	U	Y	J	T	W	K	O	R	H	G	S	F	N
G	R	E	E	N	E	R	Y	A	A	T	P	Q	S	T	S	S
G	T	T	A	U	N	R	T	R	Y	I	A	D	O	A	Z	F
O	H	L	T	A	E	E	A	M	P	A	N	G	E	I	Q	O
L	R	A	E	D	R	E	C	Y	C	L	E	R	A	N	A	R
E	I	N	S	Q	G	J	R	T	E	R	L	R	E	A	P	M
C	R	D	O	W	Y	L	A	G	Y	A	S	W	R	B	U	A
O	S	S	Y	Z	A	N	B	Z	R	E	R	S	D	I	P	T
T	D	I	N	O	E	L	N	R	E	R	O	B	G	L	I	I
O	E	L	M	W	T	R	E	D	U	C	E	W	D	I	H	O
W	I	K	W	M	A	E	T	S	S	C	K	P	E	T	G	N
N	Q	T	B	I	O	D	I	V	E	R	S	I	T	Y	E	N

Answers

**LET'S EXPLORE WATERWAY TERRACES I**

1. terraced rice, hexagonal
2. ventilation
3. recyclable waste
4. Sun Pipe
5. Rain

**LET'S EXPLORE PUNGGOL WATERWAY**

1. crab net
2. aerators
3. d

**LET'S EXPLORE PUNGGOL TOWN SQUARE & DISCOVERY CUBE**

1. together, mingle
2. history, sustainable

**WORD SEARCH PUZZLE**

H	E	X	A	G	O	N	A	L	H	W	S	M	H	U	T	Z
R	O	S	E	L	L	E	N	V	I	R	O	N	M	E	N	T
P	E	F	D	R	E	R	T	Q	Y	A	L	S	Y	S	B	R
U	E	K	J	S	W	A	T	E	R	W	A	Y	I	U	V	A
N	R	W	E	U	Y	J	T	W	K	O	R	H	G	S	F	N
G	R	E	E	N	E	R	Y	A	A	T	P	Q	S	T	S	S
G	T	T	A	U	N	R	T	R	Y	I	A	D	O	A	Z	F
O	H	L	T	A	E	E	A	M	P	A	N	G	E	I	Q	O
L	R	A	E	D	R	E	C	Y	C	L	E	R	A	N	A	R
E	I	N	S	Q	G	J	R	T	E	R	L	R	E	A	P	M
C	R	D	O	W	Y	L	A	G	Y	A	S	W	R	B	U	A
O	S	S	Y	Z	A	N	B	Z	R	E	R	S	D	I	P	T
T	D	I	N	O	E	L	N	R	E	R	O	B	G	L	I	I
O	E	L	M	W	T	R	E	D	U	C	E	W	D	I	H	O
W	I	K	W	M	A	E	T	S	S	C	K	P	E	T	G	N
N	Q	T	B	I	O	D	I	V	E	R	S	I	T	Y	E	N