ECO TRAIL WORKSHEET FOR SECONDARY LEVEL

1 Treelodge@Punggol
2 My Waterway@Punggol
3 Kelong Bridge
4 Heritage Area

Friends of Our Heartlands

SENTUL CRESCENT

SAM KEE
LRT

PUNGGOL PLACE

MRT
PUNGGOL STATION

PUNGGOL ROAD

DRIVE

PUNGGOL

HOUSING & DEVELOPMENT BOARD

Name :

Class :

Date :

🍃 LET'S EXPLORE TREELODGE@PUNGGOL

<u>Circle the correct answer</u>

1. **Solar panels harvest _____ energy from the Sun and use it to power common lightings in the precinct.**

   a. kinetic

   b. electrical

   c. light

   d. gravitational

2. **What are some of the amenities that can be found along the Eco Deck in Treelodge?**

   a. Precinct Pavilion

   b. Fitness Corner

   c. Community Garden

   d. All of the above

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BOARD**

<u>Fill in the Blank</u>

Helping Words	reflect, retain	recyclable	Dual bicycle	community garden
	Green Spine	ventilation	glare	lighting

3. **The blocks are designed to respond to the North-East and South-West wind direction so that natural cross- _____ and natural _____ into the building can be maximised .**

4. **Blocks are painted in lighter colour to best _____ and least _____ heat.**

5. **Enhanced greenery along the _____ not only reduces heat, it also minimises _____ and provides better and greener visual relief for homeowners.**

6. **The _____ enhances community interaction and cohesiveness in addition to greening the environment.**

7. **To promote recycling, residents have access to 2 refuse chutes. One is for collecting general refuse, and the other is for collecting _____ waste.**

8. **_____ racks are provided at the podium carpark level next to the lift lobby of every block so that residents can stow their bicycles.**

🍃 LET'S EXPLORE PUNGGOL WATERWAY

<u>Circle the correct answer</u>

1. **What is the purpose of the stilts-and-posts design on the Kelong Bridge?**

    a. To remind people of the roots and heritage of Punggol village.

    b. For a minimalistic design appearance.

    c. To allow wind to pass through.

    d. To attract tourist.

2. **How long is the Old Punggol Road?**

    a. 150m

    b. 140m

    c. 160m
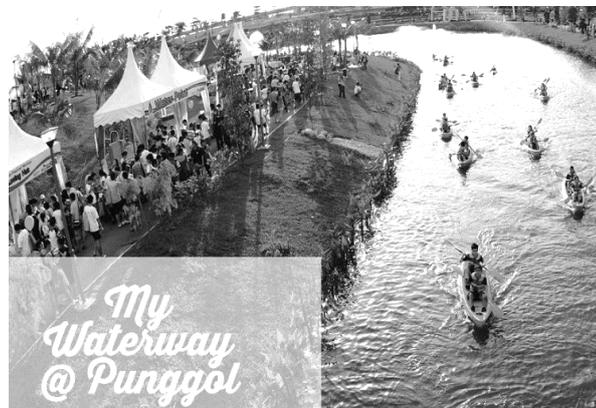
    d. 145m

<u>Fill in the Blank</u>

Helping Words	Eco-drains	sustainable	4.2	coastal
	water-based	aerators	vibrant	historical

3. **Punggol Waterway is Singapore's first man-made waterway. With a length of ____ km, it meanders through the entire Punggol Eco-Town.**

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4. **The waterway and the landscape promenade are designed to embrace the area's rich _____heritage, providing more opportunities for _____ recreational activities and sports right next to the heartlands.**

5. **The waterway and the communal spaces along the promenade provide a _____living environment, transforming Punggol into a _____ waterfront town of the 21st century.**

6. **Surface _____ are installed along the entire waterway to increase the amount of oxygen in the water to support a wide range of biodiversity.**
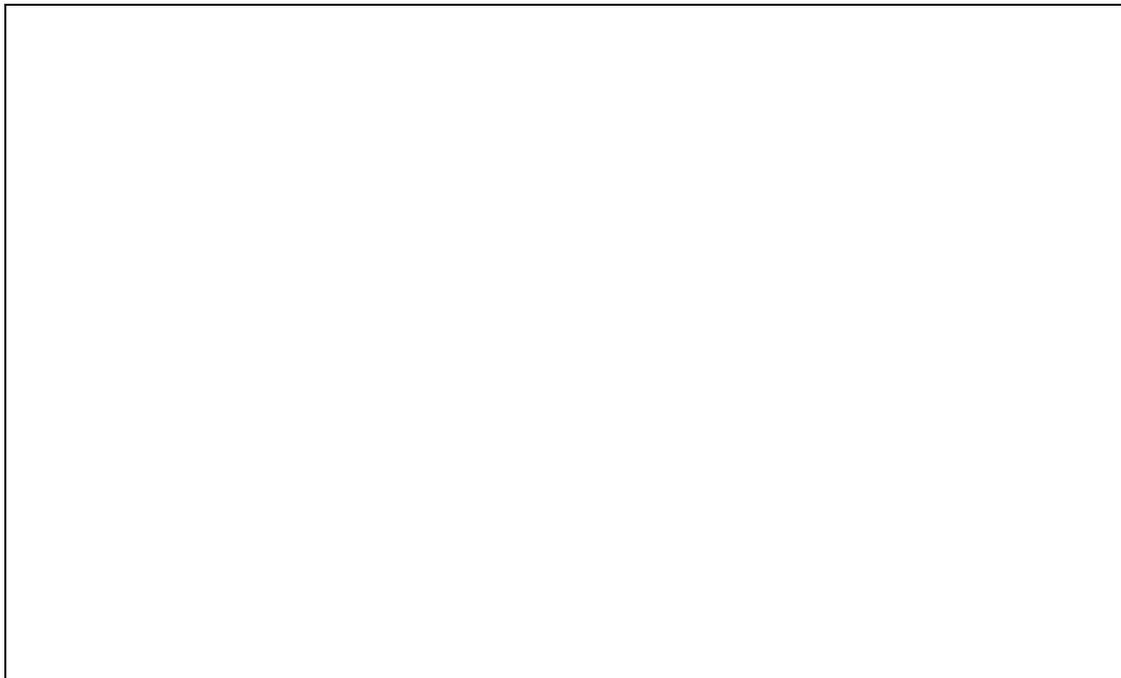
7. _____ help to ensure the water remains clean by filtering the surface run-off before it goes into the waterway.

<u>Draw it!</u>

8. **Marginal planting filters silt and debris from the water flowing into the waterway and protects the soil along the banks from being washed away.**

   Draw the landscape of marginal planting along the waterway here:

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🌿WORD SEARCH PUZZLE

Circle the correct answer

Look for the following words in the Word Search Puzzle:

LIGHT		AERATORS		PLANTER BOX		PRECINCT	
GREENERY		VENTILATION		HERITAGE		RECYCLE	

P	L	A	N	T	E	R	B	O	X
H	V	I	T	S	E	E	Z	E	I
A	N	F	G	S	S	C	E	N	J
E	O	E	C	H	U	Y	K	P	M
R	I	X	P	F	T	C	L	R	F
A	T	G	D	B	O	L	L	E	Y
T	A	A	R	X	J	E	E	C	S
O	L	J	V	E	G	P	Q	I	X
R	I	E	T	I	E	M	V	N	L
S	T	H	Q	L	H	N	A	C	P
X	N	D	O	L	H	B	E	T	A
H	E	R	I	T	A	G	E	R	M
H	V	J	Q	P	E	B	S	0	Y

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Answers:

LET'S EXPLORE TREELODGE@PUNGGOL

1. **c**
2. **d**
3. **ventilation, lighting**
4. **reflect, retain**
5. **Green Spine, glare**
6. **community garden**
7. **recyclable**
8. **Dual bicycle**

LET'S EXPLORE PUNGGOL WATERWAY

1. **a**
2. **c**
3. **4.2**
4. **coastal, water-based**
5. **vibrant, sustainable**
6. **aerators**
7. **Eco-drains**

WORD SEARCH PUZZLE

P	L	A	N	T	E	R	B	O	X
H	V	I	T	S	E	E	Z	E	I
A	N	F	G	S	S	C	E	N	J
E	O	E	C	H	U	Y	K	P	M
R	I	X	P	F	T	C	L	R	F
A	T	G	D	B	O	L	L	E	Y
T	A	A	R	X	J	E	E	C	S
O	L	J	V	E	G	P	Q	I	X
R	I	E	T	I	E	M	V	N	L
S	T	H	Q	L	H	N	A	C	P
X	N	D	O	L	H	B	E	T	A
H	E	R	I	T	A	G	E	R	M
H	V	J	Q	P	E	B	S	0	Y