

Unit 204: Awareness of sustainability in the hospitality industry

Worksheet 3: Different types of recyclable materials (Tutor)

1. State **two** ways in which recycling waste can have a positive impact on a hospitality organisation

- Lower waste management costs
- Save space and reduce clutter
- Improve the businesses environmental credentials
- Reduce the businesses impact on the environment

Accept any suitable response

2. Find the hidden words associated with Different types of recyclable materials

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

- | |
|-------------|
| • paper |
| • food |
| • metals |
| • glass |
| • liquid |
| • hazardous |

3. Describe the recycling process for the following recyclable waste materials

Glass

- Empty and rinse glass. Left over foods or liquids can contaminate other recyclables.
- Glass is taken from the bin and taken to a glass treatment plant.
- The glass is sorted by colour and washed to remove any impurities.
- The glass is then crushed and melted, then moulded into new products such as bottles and jars and even used in bricks.

Paper

- Remove any plastic wrapping from attached to the paper and cardboard, this can be recycled separately
- The paper and cardboard is taken to a recycling plant where it is separated into types and grades.
- The separated paper and cardboard is then washed with soapy water to remove inks, plastic film, staples and glue. The mixture is put into a large holder where it is mixed with water to create 'slurry'
- By adding different materials to the slurry, different paper products can be created, such as cardboard, packaging and paper.
- The slurry is spread using large rollers into large sheets and the paper and cardboard is left to dry and then is ready for use.

Metals

- Metals are collected and taken to a treatment plant
- In the treatment plant the metal is sorted in to different types and cleaned ready for reprocessing.
- It then goes through a re-melt process and turns into molten metal, this removes the coatings and inks that may be present on the metals.
- Metals are formed into specific shapes such as bars that can be easily used for the production of various metal products such as cans and tins.

Accept any suitable response