

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

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| I | R | S | F | A | Z | M | W | I | I | R | V | V | Q | J |
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| 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