

Assessment Task: Environment: pollution, packaging

Packaging

Question 1: The packaging of food

How much packaging is used on the food you eat? Do some products have more than one layer of wrapping? Do they need it? Create a chart like the one below in your workbook.

Analyse the way 20 food items you have at home are packaged.

No packaging	One layer	Two layers	More than two
			layers
E.g. loose fruit and vegetables.	E.g. milk in a bottle.	E.g. a can of soup in a tin with paper wrapping.	E.g. a microwave meal with tinfoil dish, plastic wrapping and cardboard box.

[20 marks]

Question 2: Analyse the packaging

 Now analyse what the packaging is made of. Create a table like the one below, to record your results. Put a tick in the second column everytime that sort of packaging is used.

[20 marks]



Packaging material	Number of times used	Total
Cardboard		
Plastic		
Paper		
Polystyrene		
Metal		

- 2. Look at your results and consider: Which material is used the most? Which material is least harmful to the environment? Why was the material used? Could a better material have been used in any of the cases?
- 3. Write a paragraph answering these questions.

[20 marks]



Rubric to assess paragraph

Criteria	Level 4 [4]	Level 3 [3]	Level 2 [2]	Level 1 [1]
Which material	Accurate answer	Mostly accurate	Answer is	Answer is
is used the	derived from	answer derived	limited or	inaccurate.
most?	table.	from table.	incomplete.	
Which material	Accurate answer	Mostly accurate	Fairly accurate	Inaccurate
is least harmful	based in	answer based in	answer.	answer.
to the	research.	research.		
environment?				
Why was the	Very good	Good	Fair	Poor
material used?	understanding	understanding	understanding	understanding
	of the packaging	of the packaging	of the packaging	of the packaging
	needs and the	needs and the	needs and the	needs and the
	product.	product.	product.	product.
Could a better	Insightful	Good	Limited	Poor
material have	understanding	understanding	understanding	understanding
been used in	of the problem	of the problem	of the problem	of the problem
any of the	and innovative	and good	and limited	and poor
cases?	suggestions	suggestions	suggestions	suggestions
	offered.	offered.	offered.	offered.
Paragraph	Well written	Well written	Fairly well	Poorly written
	with logical	with good	written with fair	with poor
	development	attention to	attention to	attention to
	and excellent	grammar and	grammar and	grammar and
	attention to	spelling.	spelling.	spelling.
	grammar and			
	spelling.			



Suggested Solutions

Question number	Possible marks	Solution
1	20	Mark table according to learner responses; this can be peer assessed.
2.1	20	Mark table according to learner responses; this can be peer assessed.
2.2	20	See rubric in Appendix of Assessment Tools.

Appendix of Assessment Tools

Rubric to assess paragraph

Criteria	Level 4 [4]	Level 3 [3]	Level 2 [2]	Level 1 [1]
Which material	Accurate answer	Mostly accurate	Answer is	Answer is
is used the	derived from	answer derived	limited or	inaccurate.
most?	table.	from table.	incomplete.	
Which material	Accurate answer	Mostly accurate	Fairly accurate	Inaccurate
is least harmful	based in	answer based in	answer.	answer.
to the	research.	research.		
environment?				
Why was the	Very good	Good	Fair	Poor
material used?	understanding	understanding	understanding	understanding
	of the packaging	of the packaging	of the packaging	of the packaging
	needs and the	needs and the	needs and the	needs and the
	product.	product.	product.	product.
Could a better	Insightful	Good	Limited	Poor
material have	understanding	understanding	understanding	understanding
been used in	of the problem	of the problem	of the problem	of the problem
any of the	and innovative	and good	and limited	and poor
cases?	suggestions	suggestions	suggestions	suggestions
	offered.	offered.	offered.	offered.
Paragraph	Well written	Well written	Fairly well	Poorly written
	with logical	with good	written with fair	with poor
	development	attention to	attention to	attention to
	and excellent	grammar and	grammar and	grammar and
	attention to	spelling.	spelling.	spelling.
	grammar and			
	spelling.			