

REUSE & RECYCLING 2

MARK SCHEME

Q1.

Question	Answer	Extra information	Marks
A	2		
B	1		
C	3		
D	4		
Total marks			4

Q2.

Question	Answer	Extra information	Marks
	advantage less carbon dioxide is produced		1
	disadvantage used aluminium cans have to be collected and transported		1
Total marks			2

Q3.

Question	Answer	Extra information	Marks
(i)	any two from: <ul style="list-style-type: none"> • saves raw materials / iron ore • saves energy / fuels • make new / useful items • make money / it is economic • reduces pollution • decreases cost of steel cans • reduces carbon dioxide emissions • decreases waste materials / use of landfill 	accept cheaper / saves money allow less harmful for the environment	2
(ii)	any one from: <ul style="list-style-type: none"> • provide information / education of the need to recycle • legislate against / charge for 		1

	waste <ul style="list-style-type: none"> • reward / pay people to recycle • put labels on the cans • provide recycling bags / bins / areas 	accept fine people for not recycling	
Total marks			3

Q4.

Question	Answer	Extra information	Marks
(a)(i)	any one from: <ul style="list-style-type: none"> • contain metals / filaments / wires • contain other / toxic chemicals / materials • different type of glass 	ignore contamination without explanation accept named metal(s) accept named chemical(s) / material(s) accept glass would not melt ignore thicker / thinner glass	1
(ii)	any one from: <ul style="list-style-type: none"> • (glass bottles are) recycled • need to be more expensive glass or strong / thicker / different glass (to be reused) • damaged / weaker (with reuse) • need to be cleaned / transported • different sizes / shapes / colours • no refunds paid 	accept made to be used only once accept glass bottles are made of readily available materials or thin / cheap glass accept need to be sorted	1
(iii)	any two from: <ul style="list-style-type: none"> • low / less energy / heat or lower temperature needed • low / less fuel burned • no (carbon dioxide) from carbonate(s) 	allow converse arguments ignore no energy without explanation ignore no fuel without explanation accept less fuel for extraction / transportation of raw materials accept name(s) of this carbonate(s)	2
(b)(i)	46		1
(ii)	any one from: <ul style="list-style-type: none"> • (more) imported (as wine bottles) • not much green glass made in the UK 	accept come from / made in other countries or made elsewhere	1

	<ul style="list-style-type: none"> • not a high demand (for green glass) 		
(iii)	<p>any two from:</p> <ul style="list-style-type: none"> • more (clear) glass is produced (64%) than recycled (40%) • (clear) glass going to landfill • (more) raw materials needed / extracted / quarried • (more) heat / energy / fuel would be needed • (more) carbon dioxide produced 	<p>accept not enough (clear) glass is recycled allow 'thrown away' ignore they will run out</p> <p>accept high carbon footprint / carbon emissions or global warming</p>	2
Total marks			8

Q5.

Question	Answer	Extra information	Marks
	<p>any two from:</p> <ul style="list-style-type: none"> • saves resources / non renewable • landfill problem • saves energy / fuel / electricity • less carbon dioxide / carbon emissions or reduces carbon footprint • less quarrying / mining 	<p>accept aluminium / ore will run out or conserves aluminium accept aluminium does not corrode ignore global warming ignore consequences of quarrying / mining ignore pollution / harms environment / costs / easy to recycle</p>	2
Total marks			2