Taking Charge of Waste

Standard difficulty · 20 questions · 40 marks · Time: 54 minutes

Name: _____ Date: _____ Score: ____ / 40

Show your working for Sections B and C. Answers are on the last page — try every question first!

Section A — Choose the correct answer — 8 × 1 = 8 marks

1. Fruit peels and dried leaves go into the:
   (a) river **(b)** roadside **(c)** blue dustbin **(d)** green dustbin

2. Which of these goes into the GREEN dustbin?
   (a) rotten fruit **(b)** a glass bottle
   (c) an old light bulb **(d)** an old notebook

3. Which of these goes into the BLUE dustbin?
   (a) a banana peel **(b)** leftover food
   (c) dried leaves **(d)** an old light bulb

4. Which of these is a way to REUSE something?
   (a) turning old plastic into new things in a factory
   (b) buying fruit without plastic wrapping
   (c) refilling a steel water bottle
   (d) carrying a cloth bag to the market

5. Which of these is a way to REDUCE waste?
   (a) wrapping a gift in old newspaper
   (b) making new paper from old newspapers in a factory
   (c) making a quilt from old clothes
   (d) saying no to a plastic straw

6. What harm can plastic mixed with food scraps on the road cause?
   (a) the people who collect waste can get cut
   (b) animals may eat it and fall ill
   (c) the air becomes dirty and hard to breathe
   (d) rainwater cannot flow away and the street floods

7. 15 children each bring 4 old bottles for recycling. How many bottles do they bring?
   (a) 56 bottles **(b)** 19 bottles **(c)** 64 bottles **(d)** 60 bottles

8. A school puts 4 kg of green waste into its compost pit every day. How much does it put in over 6 days?
   (a) 28 kg **(b)** 10 kg **(c)** 24 kg **(d)** 20 kg

Section B — Short answer — 8 × 2 = 16 marks

9. Name three things in your home that become waste.

10. Write "green" or "blue" for the dustbin each goes into: (a) an old light bulb (b) leftover food

11. Is it "reduce", "reuse" or "recycle"? (a) buying only what you need (b) making a quilt from old clothes

12. Left in the soil, does it "rot" or "not rot"? (a) a plastic bottle (b) leftover food

13. Mother takes a cloth bag to the market 4 times a week instead of taking a plastic bag. How many plastic bags does she save in 6 weeks?

14. In a clean-up drive, 9 children each filled 3 bags of rubbish. How many bags did they fill?

15. A class sorted 30 pieces of waste. 18 went into the green dustbin and the rest into the blue one. How many went into the blue dustbin?

16. Khushi used the back of 26 old sheets of paper for rough work. How many sides of paper did she use in all, front and back?

Section C — Word problems — 4 × 4 = 16 marks

17. Plan a zero-waste birthday party. What waste could be made, and how will you avoid it?

18. Each of 8 classes makes 2 bags of waste a day, and the school is open 5 days a week. (a) How many bags of waste are made in a day? (b) How many in a week?

19. Sort these into the green and the blue dustbin: dried leaves, onion peels, used tea leaves, an old notebook, a glass bottle, a plastic bottle. What happens to the waste in each bin?

20. What harm does each cause, and how can we stop it? (a) broken glass thrown loose in a bin (b) garbage piled near homes

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Answer key

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Q	Answer	Working
1	(d) green dustbin	—
2	(a) rotten fruit	—
3	(d) an old light bulb	—
4	(c) refilling a steel water bottle	—
5	(d) saying no to a plastic straw	—
6	(b) animals may eat it and fall ill	—
7	(d) 60 bottles	15 × 4 = 60
8	(c) 24 kg	4 × 6 = 24
9	Any three: fruit and vegetable peels, paper, plastic wrappers, bottles, tins, old clothes, pencil shavings, old batteries.	—
10	(a) blue (b) green	—
11	(a) reduce (b) reuse	—
12	(a) does not rot (b) rots	—
13	24 bags	4 × 6 = 24
14	27 bags	9 × 3 = 27
15	12 pieces	30 − 18 = 12
16	52 sides	26 × 2 = 52
17	Waste: plastic plates, wrappers, balloons, leftover food; avoid it with steel plates, home-made decorations, newspaper gift wrap and just enough food.	—
18	(a) 16 bags (b) 80 bags	8 × 2 = 16; × 5 = 80
19	Green: dried leaves, onion peels, used tea leaves. Blue: an old notebook, a glass bottle, a plastic bottle. Green-bin waste becomes compost; blue-bin waste is sent for recycling.	—
20	(a) the people who collect waste can get cut (b) germs spread and people fall ill	—

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