

Rhodes High School
 Technology: Processing
 Worksheet: Impact of Technology
 Grade 8

1. Task Page 65

Answer questions 1 & 2

Household item made of plastic	Recycled	Re-use

2. Discuss the advantages of human-made materials.

3. Explain the following terms

- Biodegradable
- Environmentally friendly
- Renewable resources
- Non-renewable resources

4. What are the advantages of using biodegradable human packaging?

5. Provide examples of the following

Descriptors	Examples
Renewable resources	
Non-renewable resources	
Non-Biodegradable	
Pollutants	
Biodegradable	

6. List 4 facts about plastics.

7. Name and explain the 3 Rs.

8. Name and describe the biodegradable plastic that is used to make bags.

9. Complete a report on the effectiveness of thicker, biodegradable plastic shopping bags. Use the question from Task 3, no.5 page 69 to complete the report.

10. Explain the following terms:-

- Corrugated card
- Paperboard
- Paper pulp
- Froth flotation

11. Explain the process involved in the re-use and re-cycling of paper.

12. With reference to a packaging (toothpaste box) answer the following question.
- Function of the packaging
 - Information on the packaging
 - Materials used to make the packaging
 - Properties of the materials used to make the packaging
13. Explain the term “development “of a package.
14. Draw the development of a package. Complete task 2, page 74-75.
15. Make the development of a package. Complete task 3, page 75.

Homework: Page 76-77. Complete the practical investigation
Design and make a packaging for a purpose.

16. List 4 ways to work safely in the Technology room.
17. Explain the following
- Concrete
 - Reinforced concrete
 - Wood
 - Plywood
 - Grain
 - Warp
 - Section
 - Beam
 - Stiffness
18. Name and illustrate the forces in structures
19. List the factors to consider when choosing a member within a structure.
20. Draw 5 different types of beams and explain the uses of each beam.
21. Answer task 8, question 2 in your notebooks.
22. Answer term 2 practice tests, pages 94-95 in your notebooks.

Assessment: Term 2

June examination: Total Marks=100

Time: 90 minutes

Study the following

- Structures
- Graphic communication
- Mechanical systems and controls
- Processing

Mini-PAT: Total Marks= 70

Time: 2 hours practical task

Theory: 5 weeks