

Name: _____

Class: _____

SCIENCE FORM 4
CHAPTER 4 GREEN TECHNOLOGY FOR ENVIRONMENT SUSTAINABILITY.
4.3 Waste and wastewater management sector.

4.3.1 Explain socio-scientific issues in the waste and wastewater management.

1. Drag and drop the correct answers into the blanks. Identify the socio-scientific issues in the waste and wastewater management sector in the picture below.

Paper waste	Waste water	Electronic items	Food waste
Domestic wastewater	Wastewater from agriculture	Wastewater from drains	Plastic waste

(a) Solid waste issues.

(b) Wastewater issues.

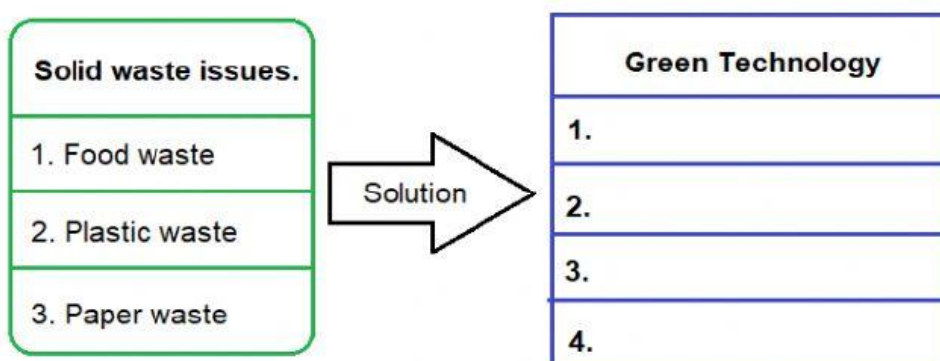
			

4.3.2 Justify the application of green technology to overcome socio-scientific issues in the waste and wastewater management.

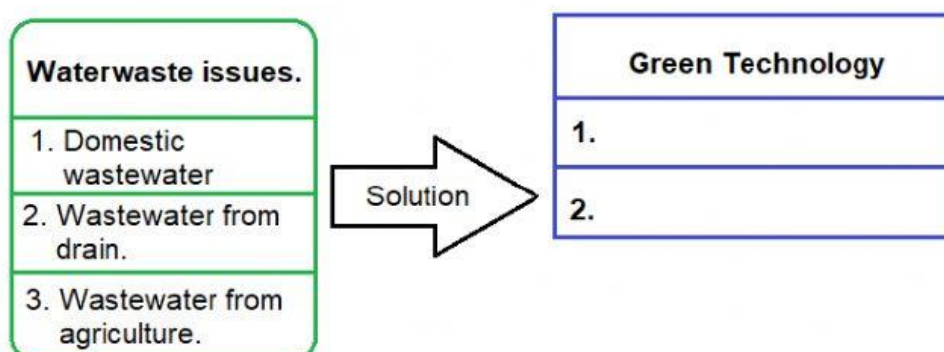
2. Suggest **Green Technology** that can solve the problems below.

Recycle	5R	Use rainwater
Reused	Compost fertiliser	Biomass energy source

(a)



(b)



3. Match the waste and wastewater management at garbage dump area according to its concepts:

The waste and wastewater management.
1. Waste separation and recycling.
2. Conversion of waste into energy and fertilizer.
3. Minimization of waste.
4. Prevention of food wastage and reduction in paper waste

Concepts
Reduction, Reduce, Recycle (3R)
Treatment and processing (biological process)
Sorting and recycling
Prevention and reduction.