

## Section A.

1. A

2. C

3. B

4. D

5. D

6. A

7. C

8. D.

9. burning

10. Photosynthesis

11. Cellular respiration.

12. Decomposition

13. Predation

14. Death.

15. Energy efficiency

Water efficiency

environmental protection

indoor environmental quality

other green features and innovation.

16. The area of land needed to generate resources and absorb wastes from human economic activities.

17. 1. solar

2. wind

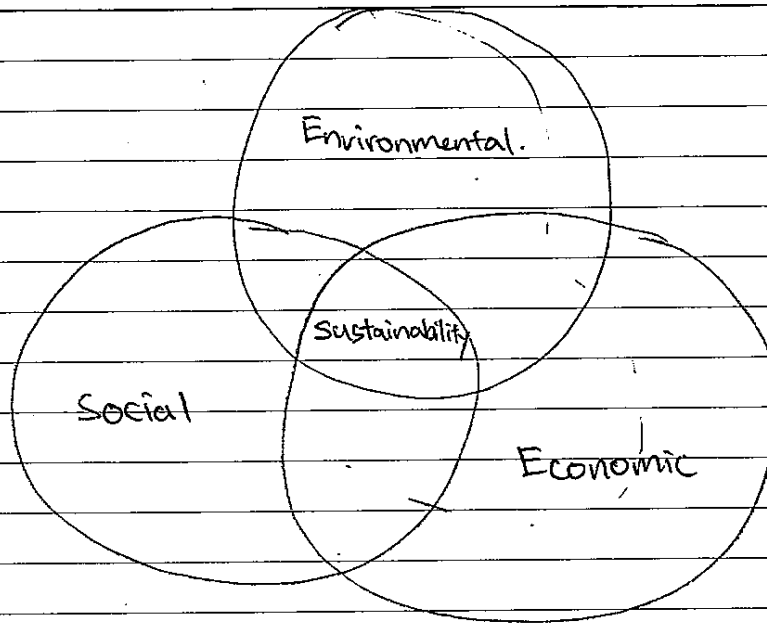
3. water

4. Geothermal

5. Biofuel.

18. The maximum population size that the environment can sustain indefinitely.

19.



section B.

1. industrial, residential.
  2. air navigation, skyline.
  3. lifestyle, technology.
  4. urban planning and safeguarding transport corridor.
  5. famine, cyclones.
  6. atmosphere and climate.
  7. <sup>town</sup> satellite - self-contained
    - town centre acting as a focal point for shopping and entertainment needs of residents.
    - light industrial developments.
- Dormitory - limited self-contained commercial facilities.  
- use services in centre of city or in-out of town shopping centres.

Yes, U Can!

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8. "green building" as they reuse structures that are already present.

- competitive edge to the city of being uniqueness.

9. For public transport: use buses.

It is a water catchment area so building a mrt track is unfeasible.

For private transport: recommend cycling. otherwise impose high car-park charges to discourage usage of car.

10. building good affordable homes - build up to 700,000 new homes by 2030.

A city in a garden - to have at least 85% of singaporeans house hold living within 400m of a park.

section C.

1. Lead - from motor vehicles burning leaded gasoline.

Particulate Matter - very diverse.

Carbon monoxide - incomplete combustion of fossil fuels in engine of motor vehicles.

Nitrogen oxides - combustion engines of motor vehicles

Sulfur oxides - combustion of fuels, particularly coal and oil.

Volatile organic compounds - Emitted from tailpipes, smoke stacks, sprays.

2. The main strategy is to incinerate before landfill.

incineration significantly reduces the volume to 10% and mass to 20% of the original waste. therefore land fill after incineration significantly reduces the amount of land spaces required for landfill.

3. To design a stormwater drainage system that

- maintain hydrology

- protect water quality.

- cost-effective

- retain existing trees.

Yes, U can!

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Section D.

1. B
2. D
3. A
4. C
5. B.

Section E.

It means to place the public safety and interest ahead of all other considerations and obligations. To show due regard for the consequences of their conduct for the well-being of others as well as for the impact of their work on society.