

## ENG3004 Society and the Engineer – **Individual** Worksheet

Group Number: \_\_\_\_\_ Date: \_\_\_\_\_ Dimension: SD

Your Full Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

### Sustainability

Sustainability arouses growing concern in the whole world. We live under the \_\_\_\_\_ and breathe the \_\_\_\_\_. We all have the responsibility to cherish and conserve our environment while continuing our social development, for the benefits of us as well as our \_\_\_\_\_.

Sustainable Development (SD) is “development that meets the needs of the present without \_\_\_\_\_ the ability of future generations to meet their own needs”.

Finding ways to increase \_\_\_\_\_ and improve \_\_\_\_\_ while reducing overall pollution and waste;

Meeting our own needs and aspirations without doing \_\_\_\_\_ to the prospects of future generations; and

Reducing the \_\_\_\_\_ we put on our neighbours and helping to \_\_\_\_\_ common resources.


3R Model ( \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ ) is widely promoted as a waste management to ensure sustainable development in future.

## Eco-friendly Buildings

Sustainable Building Construction is defined as the creation and responsible management of a healthy built environment based on \_\_\_\_\_ and \_\_\_\_\_.

Engineers of the construction industry developed tools and strategies for the design, construction and operation of buildings, which optimize the consumption of materials and energy and minimize \_\_\_\_\_.

Building is oriented to maximize harbor view with minimal \_\_\_\_\_ and \_\_\_\_\_ facing facades.

 Self-reflection on the “public space” in society (in your home town OR in HK). Is it enough? Pls. give examples to support your argument.

 Self-reflection and comment(s) on the importance of SD dimension in engineering.