

The below answer sheet is for your own self-assessment.
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Drinking Water as a Sustainable Design Issue

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1. Globally, how much bottled water is sold per annum?

350 billion litres.

2. Name the two most common parasitic micro-organisms that sometimes reside in drinking water

- Cryptosporidium
- Giardia

3. Name two aims of Sustainable Design.

Answers may include any two of the following:

- Lowering energy & water consumption throughout product lifecycles
- Reducing the carbon footprints of products and/or buildings
- Limiting Resource Consumption
- Reducing or eliminating waste
- Using materials that will contribute to peoples' health and wellbeing
- Highlighting quality & durability over price

4. What is the purpose of pre-activated carbon blocks within water filters?

They are used to remove the taste and odour of chlorine, and also remove volatile organic compounds (VOCs) through a process known as Adsorption.

5. What is the most effective and accurate way to assess the environmental sustainability of a water filtration system?

The most effective and accurate way to assess the environmental sustainability of a water filtration system is by carrying out a Life Cycle Assessment (LCA).

6. In Australia, what two organisations are able to provide Environmental Product Declarations?

- Global Greentag
- Australasia EPD