201: Health and safety in building services engineering  
**Worksheet 15: Environmental protection**

**Answer guide**

Using your notes and the internet answer the following questions.

1. **List the three categories of pollution that could occur as a result of your work activities:**

|  |  |
| --- | --- |
|  | * **Land contamination** * **Air pollution** * **Pollution of water courses** |

1. **Define what is meant by the term ‘The Three Rs’ with respect to waste management giving a brief description of each:**

|  |  |
| --- | --- |
|  | * **Reuse: Can materials be used? For example if cable or accessories are recovered from a job can they be reused?** * **Reduce: Ensure that only the materials required are ordered as the extra will cost your company more money but is also wasteful. Maybe negotiate with luminaire manufacturers to purchase fittings with reduced amounts of packaging.** * **Recycle: Ensure that what waste is produced is, as far as is reasonably practicable, recycled and not just sent to landfill. For example cardboard packaging sent to a recycling centre and not landfill or burnt.** |

1. **List some of the benefits of good waste management practice:**

|  |  |
| --- | --- |
|  | * **lower disposal costs, e.g. reduced skip hire, landfill tax, and gate fees** * **avoidance of waste transportation costs** * **greater reuse/recycling of materials on site, saving on raw materials purchased** * **lower levels of material wastage.** |