# Unit 112: Construction operations and civil engineering operations

# Worksheet 10: Drainage systems (tutor)

1. Study the descriptions of drainage systems and match the information to the following types:

**Soakaway, Part separate system, Combined system, Separate system**

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| **Type of drainage system** | **Description** |
| Combined system | In this system one large pipe takes the discharge from top, waste and foul water fittings. |
| Separate system | In this system two completely separate sets of pipes lead to two different sewers. One carries the foul water from sinks, baths, toilets, bidets etc, the other carries the surface water (or rainwater) from rainwater pipes and paved areas. |
| Part separate system | This method is a compromise between the combined and separate systems. One sewer deal with yard gullies and as much of the roof water as possible. The other takes the foul water and a small amount of the rainwater, preferably via a gully at the top of the system, which will flush the system during hot weather. |
| Soakaway | These are large excavations dug in permeable ground, filled with varying sizes of stones, from large at the bottom, gradually becoming smaller near the top. If a surface water drain is not available, only rainwater may be discharged into a soakaway. |