

KINGSTON

WATER SUPPLY SYSTEM

Worksheet 1 (1/2)

NAME: _____

1. Draw a schematic diagram of the water supply system for the town of Kingston, showing the location of the reservoir, the treatment works, the pumping station, the distribution network and the service connections to the houses.

2. Explain the function of each component of the system.

1. Reservoir: Stores water for use during periods of high demand or low flow.
2. Treatment Works: Removes impurities and disinfects the water to make it safe for consumption.
3. Pumping Station: Boosts the pressure of the water to ensure it can reach the distribution network.
4. Distribution Network: A network of pipes that carries water from the treatment works to the houses.
5. Service Connections: Pipes that connect the distribution network to individual houses.
6. Houses: The end users of the water supply system.



3. Explain the importance of regular maintenance of the water supply system, including the reservoir, treatment works, pumping station, distribution network, and service connections.