

## **Y5 Geography — We are Water Supply Engineers**



## **Key Knowledge Key Vocabulary** Definition Word What I Should Already Know What do Water Supply Engineers do? The process of turning from liquid into vapour. evaporation • The physical features of the water cycle Water Supply Engineers design, man-(Year 4 Science) condensation The process of turning from vapour into liquid. age and maintain water and sewage • The difference between human and services. They need to understand aquifer A body of rock which can contain groundwater. physical features (Year 3 and 4) the physical and human features of • What economy activity is (Year 4) groundwater Water that is held underground. the water cycle, including how water What trade links are (Year 4) is treated and distributed in the area • What natural resources are (Year 4) surface water Water that is located on top of the Earth's surface such as rivers. they work in. What climate change is (Year 4) A large natural or man-made lake that is used as a source of water reservoir supply. Water that has been used in your home, school or work. wastewater Water Distribution in the South East of England Groundwater Water containing waste from a toilet. Most tap water in the South East sewage Water is a natural resource that is collected, treat-Key (including in Worthing) comes from utility company Groundwater A company that supplies utilities such as water, gas or electricity. ed, distributed and sold to us by utility companies groundwater. Groundwater in this Surface water like Southern Water (also see diagram on back). Either surface or groundwater region comes from the chalk aquifer distribution The action of sharing something out among a number of people. No public water supply in the South Downs. The chalk acts CENTRAL AND EASTERN Company boundary water treatment The process of improving the quality of water (so that it is safe to REGION like a giant sponge; it soaks up and drink, for example). stores water. Groundwater is often safe to drink without treatment. borehole A deep, narrow hole made in the ground (to gain access to groundwater, for example). drought A long period of abnormally low rainfall, leading to a shortage of water. **Sustainability Climate Change** Saving Water Climate change can cause You can to help save water by: WESTERN the climate to get drier • Taking showers instead of baths. Surface water REGION (meaning there is less rain-The rest of the water in the South • Turning the tap off when you brush your teeth. fall). This can cause drought East comes from surface water. Leaving a jug of water in the fridge to avoid which means there is a taken mostly from rivers and somerunning the tap until it turns cold. shortage of water. It is times from reservoirs. Surface water • Washing vegetables in a bowl instead of under ittlehamptor therefore important to save usually needs treatment to make it a tap.

safe to drink.

© Crown Copyright and database right 2012. Ordnance Survey Licence No. 100022861

water where you can.





