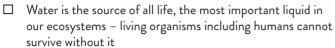
# ENVIRONMENTAL SCIENCE: WATER



Year Five | Summer Term

# **KEY FACTS**

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Over two-thirds of the Earth's surface is water

☐ Water pollution is the contamination of water bodies such as lakes, rivers, oceans and ground water, usually as a result of human activities

☐ Water pollution results when contaminants are introduced into the natural environment

☐ There are many causes of water pollution: industrial waste, sewage and wastewater, mining activities, marine dumping, oil leakage, burning of fossil fuels, and chemical fertilizers and pesticides

Water pollution kills the organisms that depend on water bodies: lack of oxygen and by absorbing pollutants into their bodies

Polluted water can kill crops and disturb the food chains
Everyone can help reduce water pollution by taking simple steps (helping out on beach cleans or litter picks to keep our rivers and seas cleaner, and using natural fertilizers).

### **BIODIVERSITY**

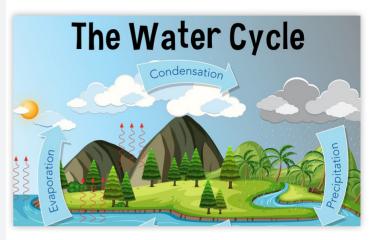


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### **WORKING SCIENTIFICALLY**





**OBSERVING** 



COLLECTING AND RECORDING DATA



PRESENTING FINDINGS



**TESTING/EXPERIMENTING** 



**MEASURING** 



CONCLUDING



WRITING SCIENTIFICALLY

## **KEY VOCABULARY**



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- ☐ **Ecosystems** a large community of living organisms (plants, animals and microbes) in a particular area.
- ☐ **Contamination** the action or state of making or being made impure by polluting or poisoning.
- ☐ Water bodies large or small, freshwater or saltwater found in landscapes.
- ☐ **Sewage** waste waters from sewers.
- ☐ Marine dumping the disposal of wastes into seas and sea beds.
- ☐ **Fertilizers** substance added to soil or land to increase its fertility.
- Pesticides substance used for destroying insects or other organisms harmful to cultivated plants or to animals.
- ☐ **Food chains** series of organisms each dependent on the next as a source of food.

### SIGNIFICANT PEOPLE



Andreas Fath is a German scientist and a world record swimmer, who swam the entire Tennessee River to study and bring attention to what taints our waters.