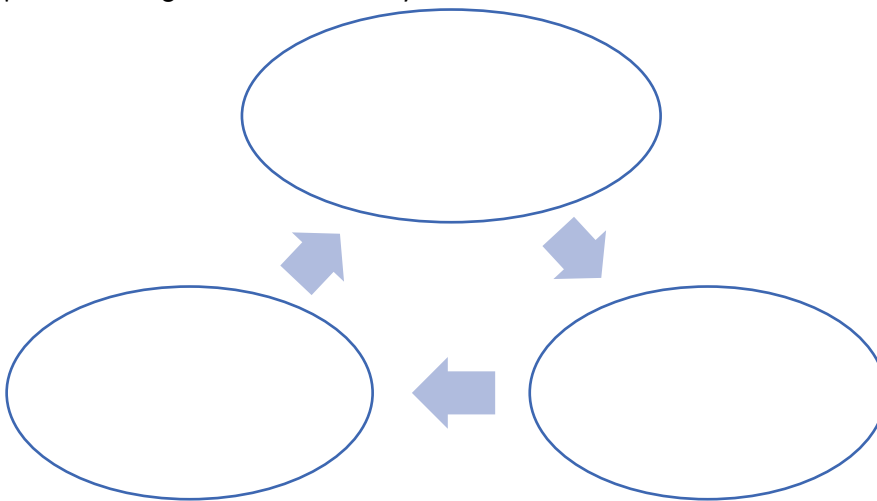


Lesson 5: Water pollution – chemicals, oil and plastics



Part one: Quiz

1. A main cause of increased **flooding** is **climate change**. This is because
 - a) climate change makes the world warmer
 - b) climate change makes our weather more extreme and unpredictable
 - c) climate change makes our air pollution
 - d) climate change reduces aquifer stores
2. Complete this diagram of the water cycle:



Part two: Why is plastic pollution a problem?



<https://www.youtube.com/watch?v=ZBSFHf7KcU>

What are the sources and impacts of marine litter?

Increasing amounts of litter are ending up in the world's oceans and harming the health of ecosystems, killing animals and putting human health at risk. The solution lies in waste prevention and better waste management on land.

What are the sources and impacts of marine litter?



Litter ends up in the sea via rivers and sewage pipes or with wind. Litter from ships and boats often also accumulates in the ocean.



Vast patches of litter and small plastic particles are funnelled together by ocean currents. Litter also accumulates on the sea bed and on beaches.



About 10 % of marine litter is discarded fishing gear, which often kills or injures marine animals and seabirds.



Many plastics break into ever smaller pieces, which can then enter the food chain.



Around 36 % of the world's seabird species and many species of fish have been reported to ingest marine litter.



Use the information from the poster above to fill in the **Sources**, **Impacts** and **Solutions** sections in the **Plastics** row of the table below.

	Sources	Impacts	Solutions
Plastic			
Oil			
Chemicals			

Part three: Oil pollution



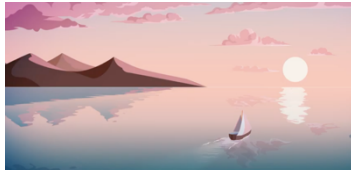
<https://www.youtube.com/watch?v=tsX08folMhY>

Part four: Chemical pollution

- Chemical pollution of water is caused by industry and agriculture. Chemicals, pesticides are washed into our waterways and can have a harmful impact on our wildlife.

- The products we use in the home can also have an impact – such as the type of cleaning products we use, single use plastics and toiletries.

Part five: the solution



https://www.youtube.com/watch?v=7S74zx_ebvw



Choose one of the sources of water pollution Make a poster explaining to people how they can be part of the solution.