Our Water

LESSON 4: OIL AND WATER

NORTH CHARLESTON SEWER DISTRICT

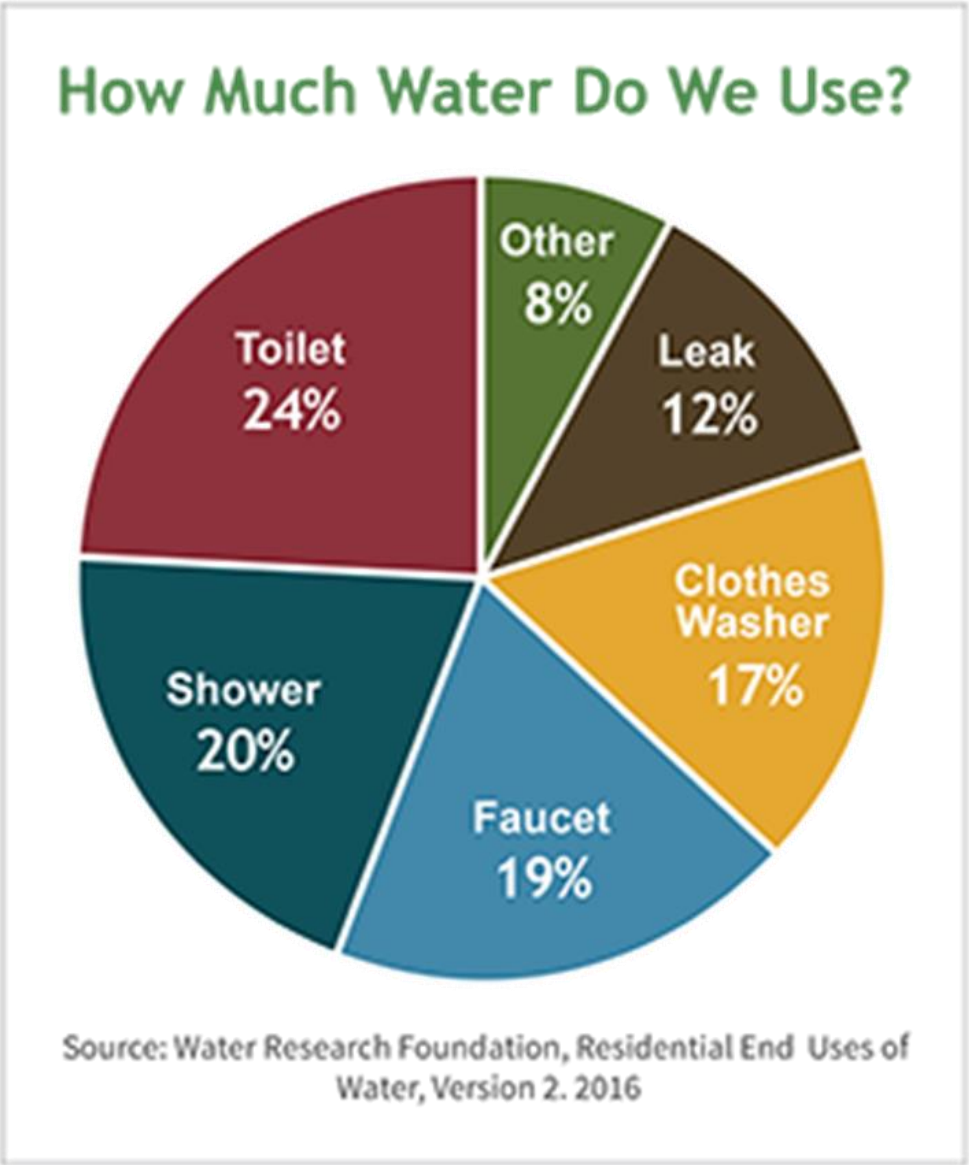
Safeguarding today, preserving tomorrow

Water and You

What does water mean to you?

Why is clean water important?

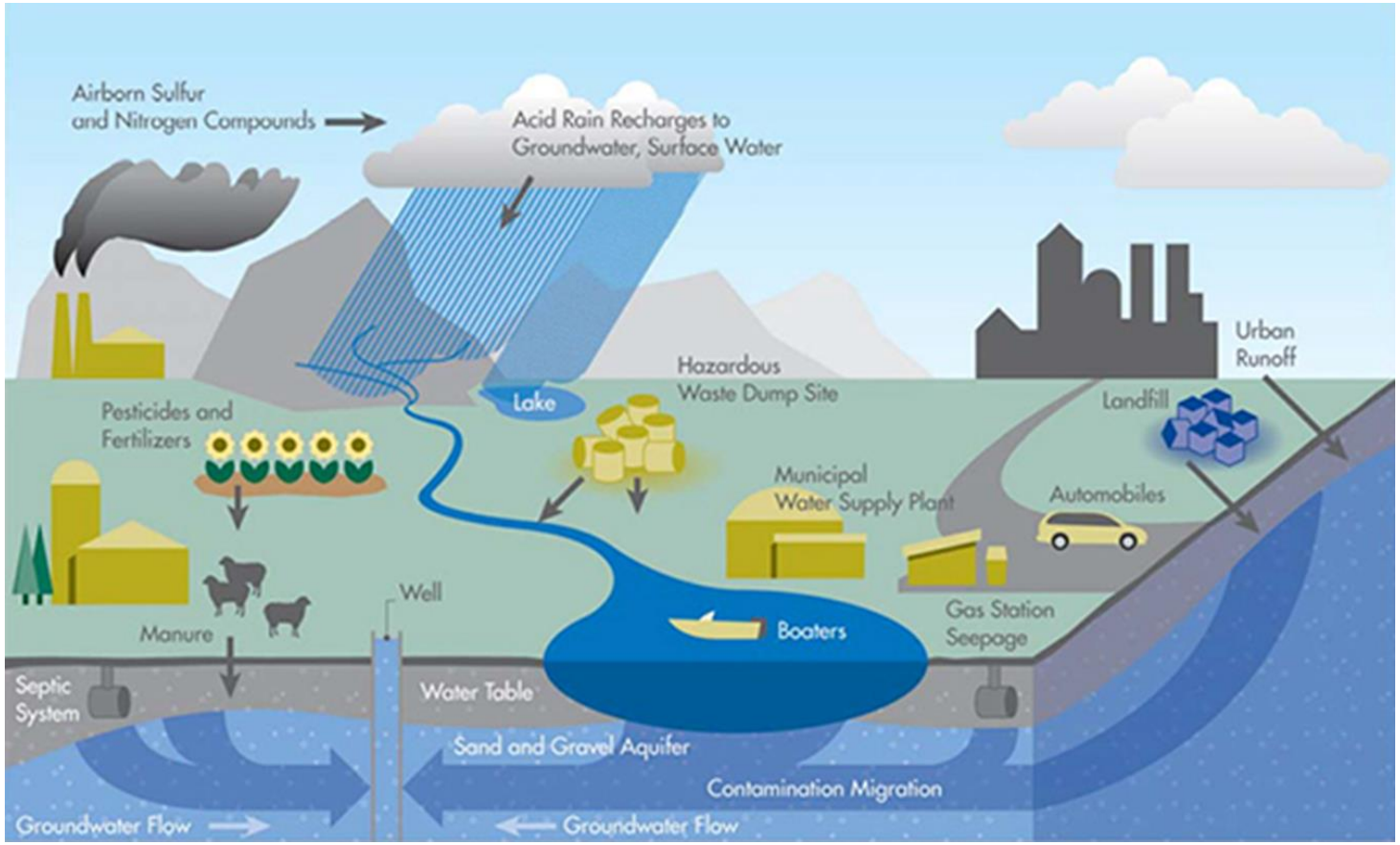
What do we use water for?



Did you know that Water shortages can be caused by growing populations, climate change and pollution?

What is Water Pollution?

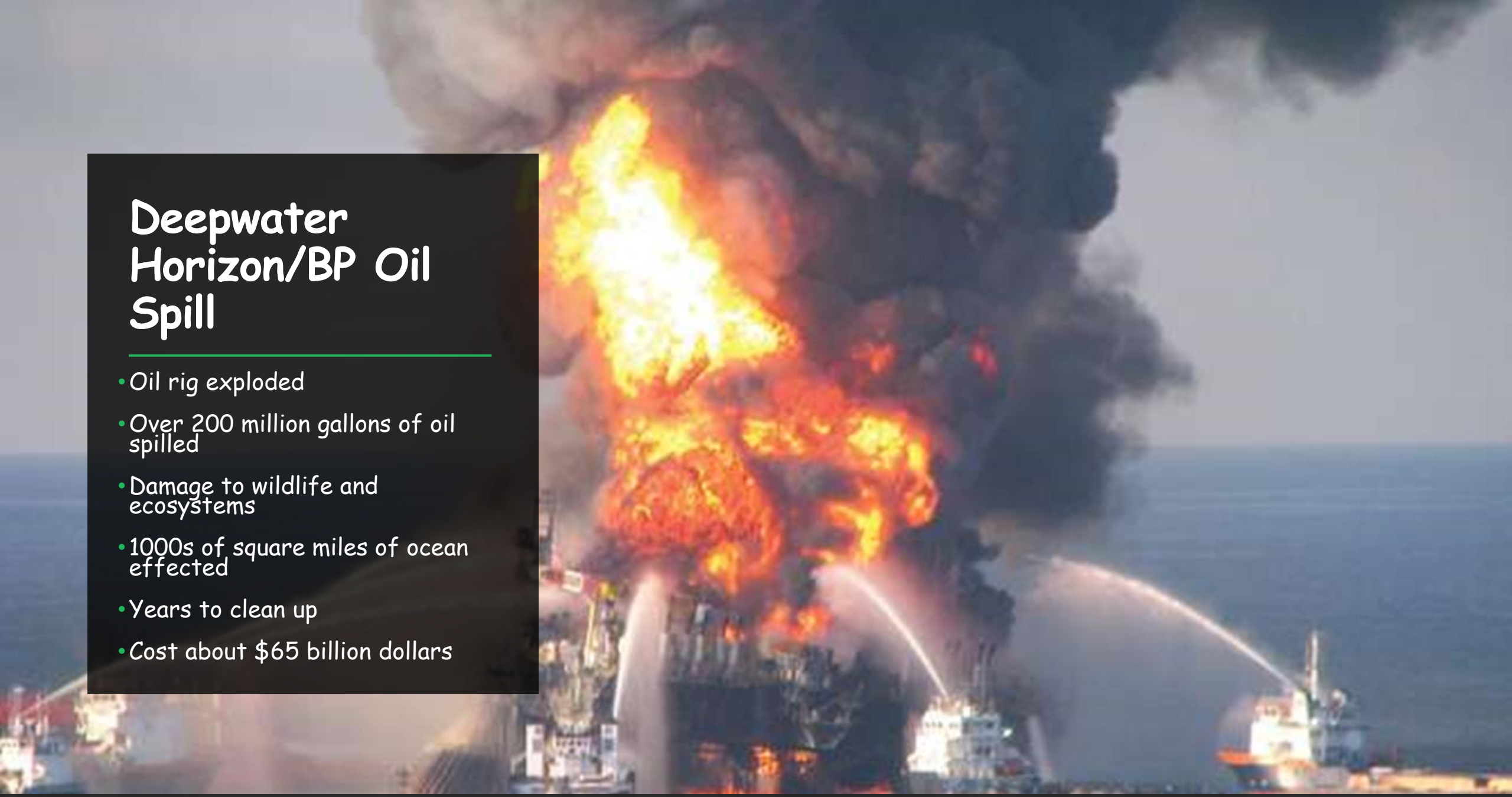
Water pollution occurs when harmful or poisonous substances are introduced into Earth's water environment, such as lakes, streams, rivers, and oceans.



What types of things can pollute our water?

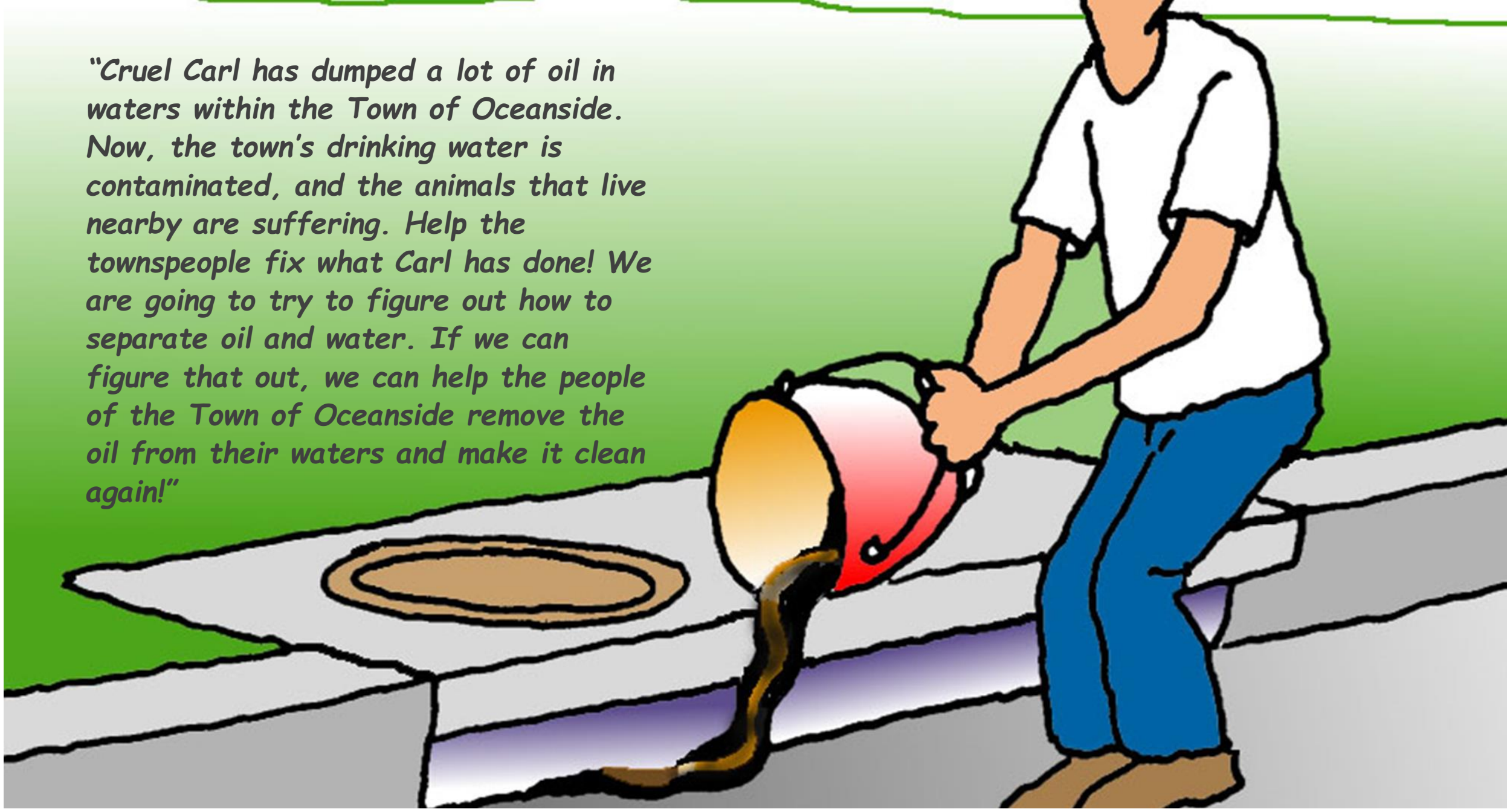
Anything we put on the ground or in the sky will eventually end up in our water.

image fromwww.aadnc-aandc.gc.c



Deepwater Horizon/BP Oil Spill

- Oil rig exploded
- Over 200 million gallons of oil spilled
- Damage to wildlife and ecosystems
- 1000s of square miles of ocean effected
- Years to clean up
- Cost about $65 billion dollars



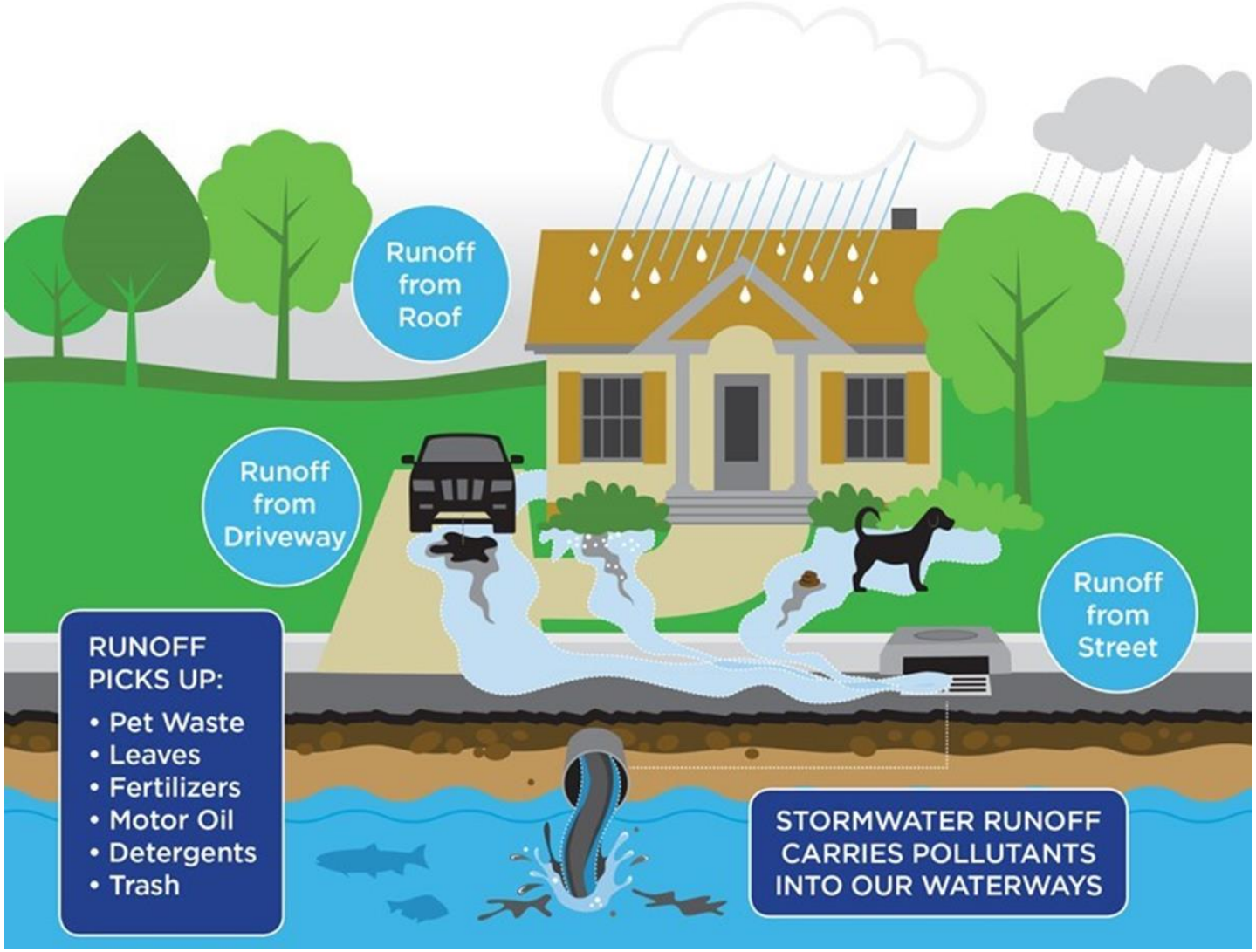
"Cruel Carl has dumped a lot of oil in waters within the Town of Oceanside. Now, the town's drinking water is contaminated, and the animals that live nearby are suffering. Help the townspeople fix what Carl has done! We are going to try to figure out how to separate oil and water. If we can figure that out, we can help the people of the Town of Oceanside remove the oil from their waters and make it clean again!"

Now, Cruel Carl has poured oil and grease down many of the sink drains in town! Our objective now is to try to clean off as much of the oil inside the pipes as possible using just water.

In the story, Cruel Carl poured oil in the waters of the town, which caused the waters to become polluted.

What would have happened if Cruel Carl poured the oil on the ground instead?

Would he still cause pollution?



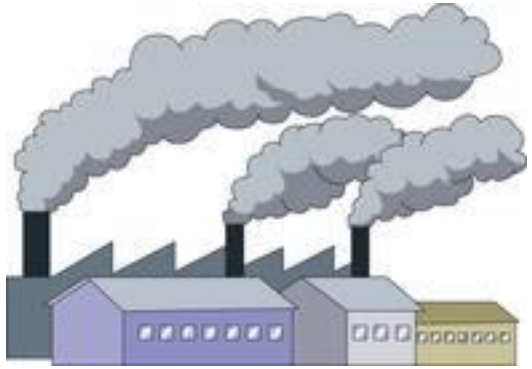
Water Pollution Video

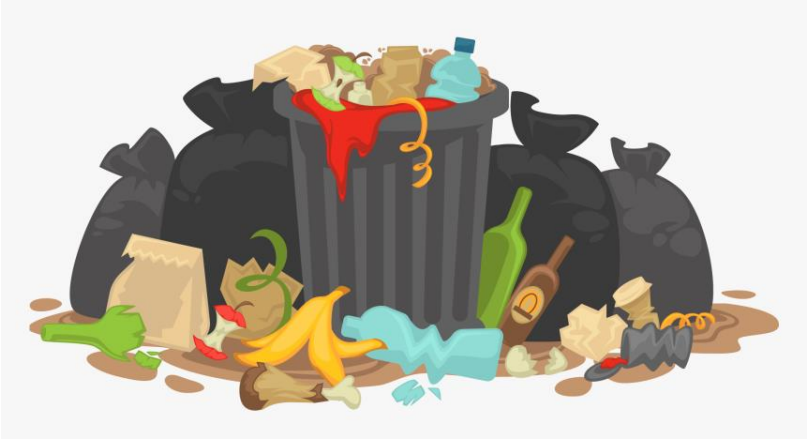
Quiz Time!

ANSWER THE QUESTIONS AS BEST YOU CAN!

Which of the following pictures shows water pollution?

Which of these can cause water pollution?





What is wrong with this picture?

Which of these pictures shows what pollution does to the environment?

Which of these pictures shows what pollution can do to people?