

# Engage - The Ins and Outs of Drains

Draw a line from each of the pictures above the line, to the destinations below the line, to show where the items or their contents should end up.

The worksheet is divided into two horizontal sections. The top section contains 12 items arranged in a grid-like fashion. The bottom section contains four destination icons. A horizontal line separates the two sections.

**Items above the line:**

- Stick
- Paint can
- Toothpick
- Toilet paper
- Green plant
- Toothpaste tube
- Three sticks of wood
- Bar of soap
- Bag of chips
- Bottle of oil
- Pink lady apple
- Rain cloud

**Destinations below the line:**

- Toilet
- Drain cover
- Path leading to a laptop
- Rubbish bin

# Melbourne's Sewage History

In the late 19th century, Melbourne was growing very quickly and issues of health and sanitation were becoming very important. A Royal Commission was held in 1888 to come up with a solution for the lack of sanitation, and it was decided that a network of pipes would be built to carry sewage from homes and factories to a sewage treatment plant. Construction of a pumping station and treatment plant began in 1892, and by 1897 Melbourne homes were connected and the city became a far more pleasant place.



## Main Activity

Did you know that once upon a time (not so long ago), Melbourne was referred to as Smellbourne? Use the internet to discover how this name came about. Use a Venn Diagram to explore how Melbourne's water was transported then and now.

**FACT: Floaters or Sinkers? Depending on what we eat, the bacteria that live in our gut produce different amounts of gas. More gas creates 'floaters', but most of us produce more 'sinkers'.**

### ► Engage

Research what people used before the invention of toilet paper (as we know it today). Consider what other options might be available today if you didn't have any toilet paper. Collect some items from home, then 'show and tell' your classmates what you chose and why.

### ► Connect

Research the materials used to provide and take away water and sewage prior to the installation of pipes in Melbourne. Use the **Decision Making template** to consider the benefits and downfalls of three of the ideas you find.

### ► Explore

Review Melbourne's urban water system and compare it with that of another city. You might consider a city with a long history, such as Pompeii or Rome (Italy), Athens (Greece), Pingliangtai (China) or a city of your own choice. Create a collage to highlight the differences.