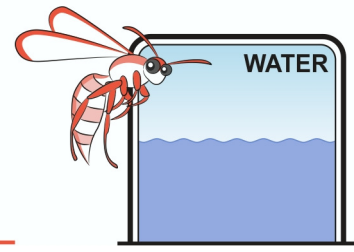


## Sources Of Water - Teacher Notes



In earlier years students should have researched sources of water on land. They may need to be reminded of the use of key words, choosing reputable sources and how to cite them.

Scientists have to work swiftly in groups to collect information. Research must be well directed and the sources of data must be reputable. Scientists use peer review before publishing. In this case the names of students in the research group are not known to the review group to prevent influence. Research suggests that groups of three or less are most functional and intellectual parasitism (one person does all the work) is less likely to occur.

Plagiarism is intellectual theft. This is why students' rough notes are left attached to their final work.

Materials required

- Access to library and Internet or "a box of relevant books".
- Scrap paper for notes
- A3 paper for final flowchart

Students in groups are encouraged to draw a simple flow chart or cartoon explaining how we can directly source drinking water from one of the following:

1. Rainfall
2. Rivers
3. Groundwater
4. Salt water
5. Domestic grey water

### Lesson Plan

<u>First five minutes</u>	Students brainstorm in their group to find out what they already know and agree on key words they will use for research. They then divide research targets amongst themselves.
<u>Next thirty minutes.</u>	Each student collects information from at least three sources. Students should make their own rough notes to avoid plagiarism. References should be included to give credence to work.
<u>Last 25 minutes.</u>	The group confers and then creates the flow chart on A3 paper. The chart must have a title and have on the back each student's rough notes and references attached. This work is handed in to their teacher.

The next day each group reviews another groups' work using the worksheet provided. Comments should include both positive and negative responses. It is important that negative responses should be accompanied by suggestions as to how work can be improved.

If time is available groups may improve their work using the suggestions provided in the feedback sheet.