

# Frog food chains

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**VELS Links:** Domains and Links: Science (3, 4, 5)

**Explanation** - a food chain looks at a range of organisms (living things) that live in a community, in which members of one group eat members or material created by another group

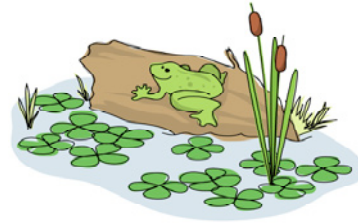


An example of a food chain

**To make a food chain** each student will need a card with the pictures of animals and plants on it, scissors to cut out pictures, string or paper clips to create the links between the organisms. The aim is to organise the organisms from what is represented at the bottom of the food chain to what is represented at the top.

Answer for this food chain:

- Kookaburra is at the top of the food chain
- Frog is eaten by the kookaburra
- Mayfly is eaten by the frog
- Plant (bottom of the food chain) is eaten by the mayfly



## Questions

**What are some pollutants that enter our waterways?**

Information:

Detergents such as washing detergent can be high in phosphorus and if washed into waterways they can increase the nutrient level, changing the equilibrium in the water. Increases in algal growth will occur which will impact on processes and organisms in the waterway

Soil (if we leave the soil bare ie, take out all the plant material, then it can be carried away by wind and rain and possibly end up in our wetlands)

Pesticides that people spray on plants to get rid of insects that eat their plants

**What might happen to this food chain if pollutants entered a waterway?**

Information:

Mayflies are very sensitive to pollutants so they wouldn't survive

Frogs are very susceptible to pollutants and would also be effected by the pollution

If mayflies and frogs couldn't live in a particular environment any more then the kookaburra would have to rely more heavily on other food sources in the area. If the food sources remaining couldn't sustain them then they may move to a new area to find food.



Pictures for students to cut out to create their own food chain

