

Why monitor water?



Government of Western Australia
Department of Education



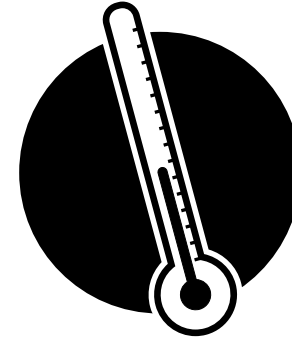
How do we know if our water is safe to drink?

Monitoring water supplies



What do we monitor?

- physical characteristics



- chemical characteristics



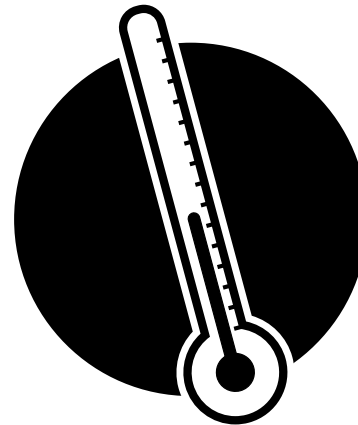
- biological characteristics



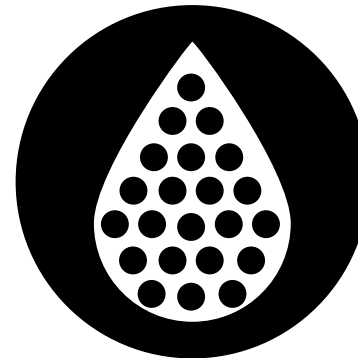
Physical characteristics

Non-living properties of water

- temperature



- turbidity



Temperature



Turbidity



Turbidity is measured in units known as NTUs.

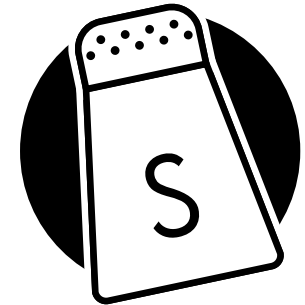
Chemical characteristics

Non-living properties of water

- pH



- salinity



- phosphorous



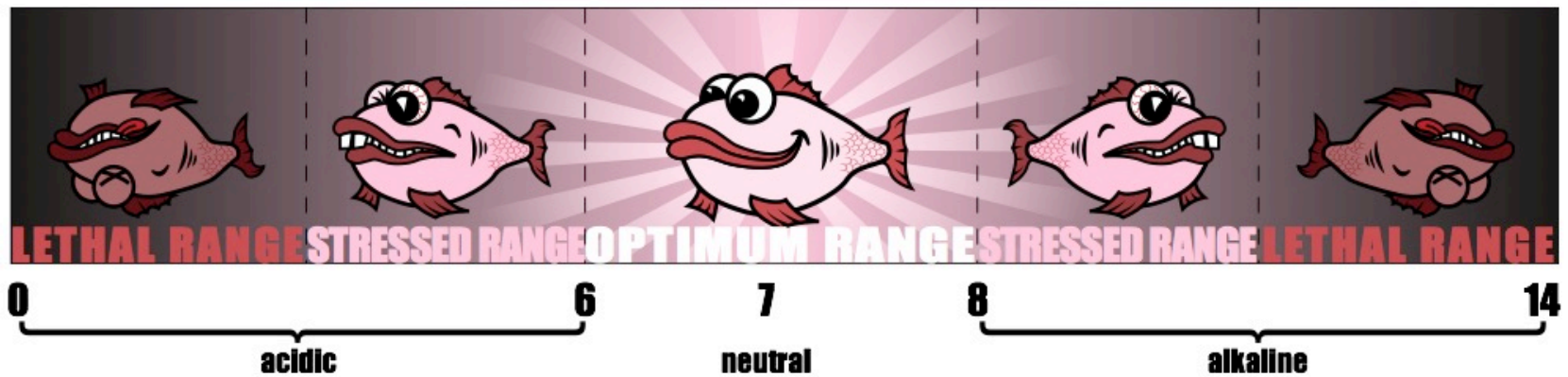
- dissolved oxygen



- nitrogen



pH



Dissolved oxygen

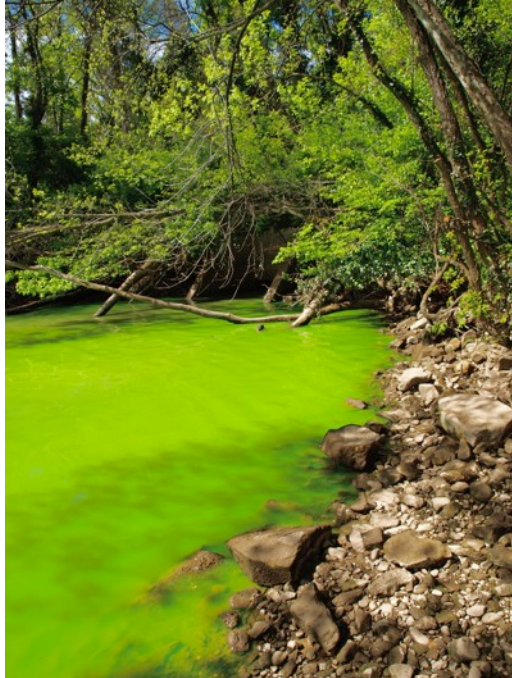


Salinity



Units of measurement – parts per million (ppm)

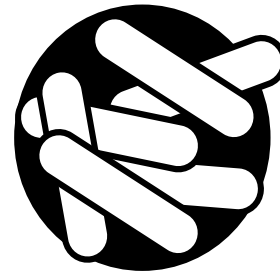
Nutrients



Biological characteristics

Living creatures in our water supplies

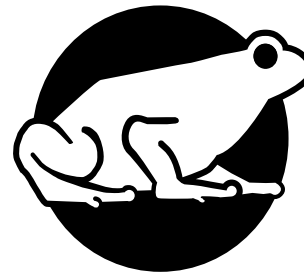
- *Escherichia coli* (*E. coli*)



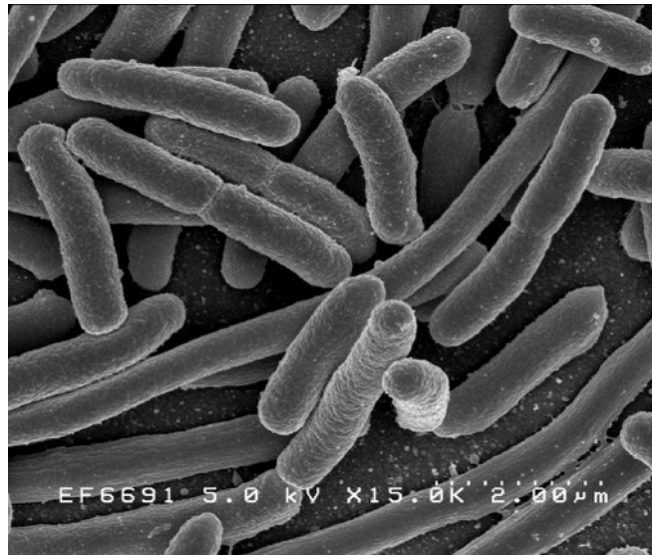
- *Plants*



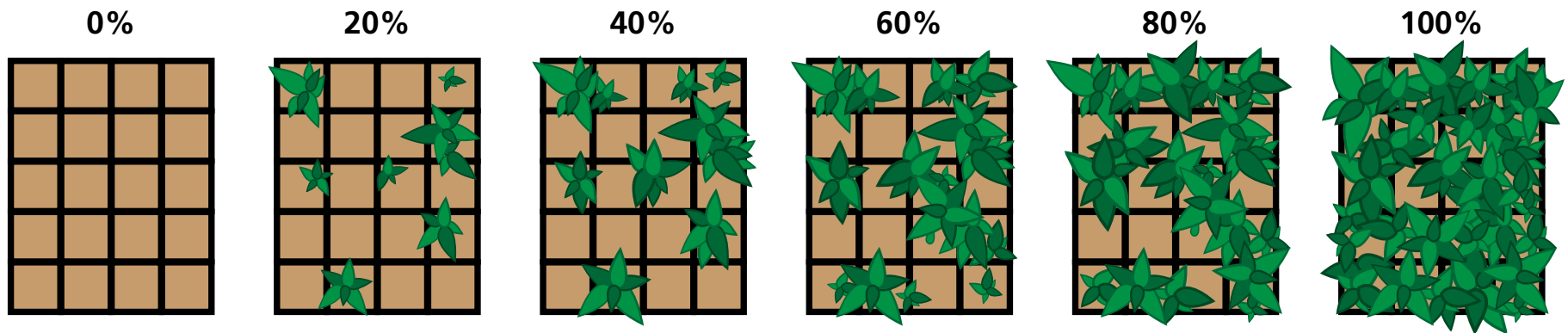
- *animals*



E. coli



Vegetation



Animals



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Water monitoring 2: Where does water come from? (presentation)

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Developed for the Department of Education, Western Australia

