UN WATER

https://www.youtube.com/watch?v=NhdRfQYJI4o

WATER FOR LIFE
2005 − 2015

What was the aim of this campaign…?

Sustainable Water Supplies

Learning Objective:
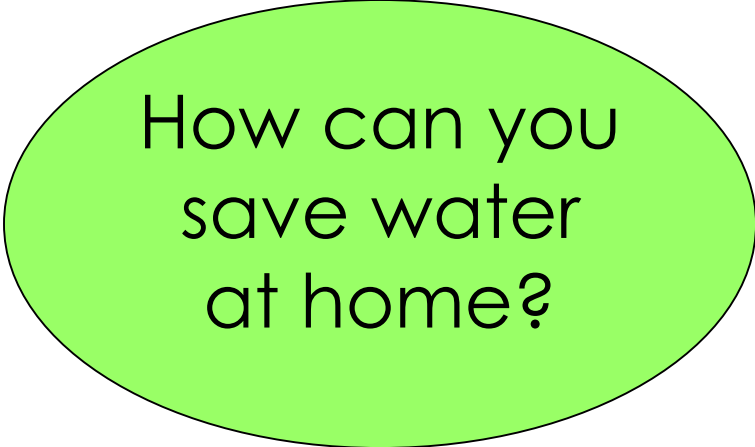
-**Discover** strategies for a sustainable water supply

https://www.youtube.com/watch?v=4Tv6EKHWxd0

Learning Outcomes:

-**Describe** the ways that you can conserve water

-**Explain** why involving local people is important for managing water

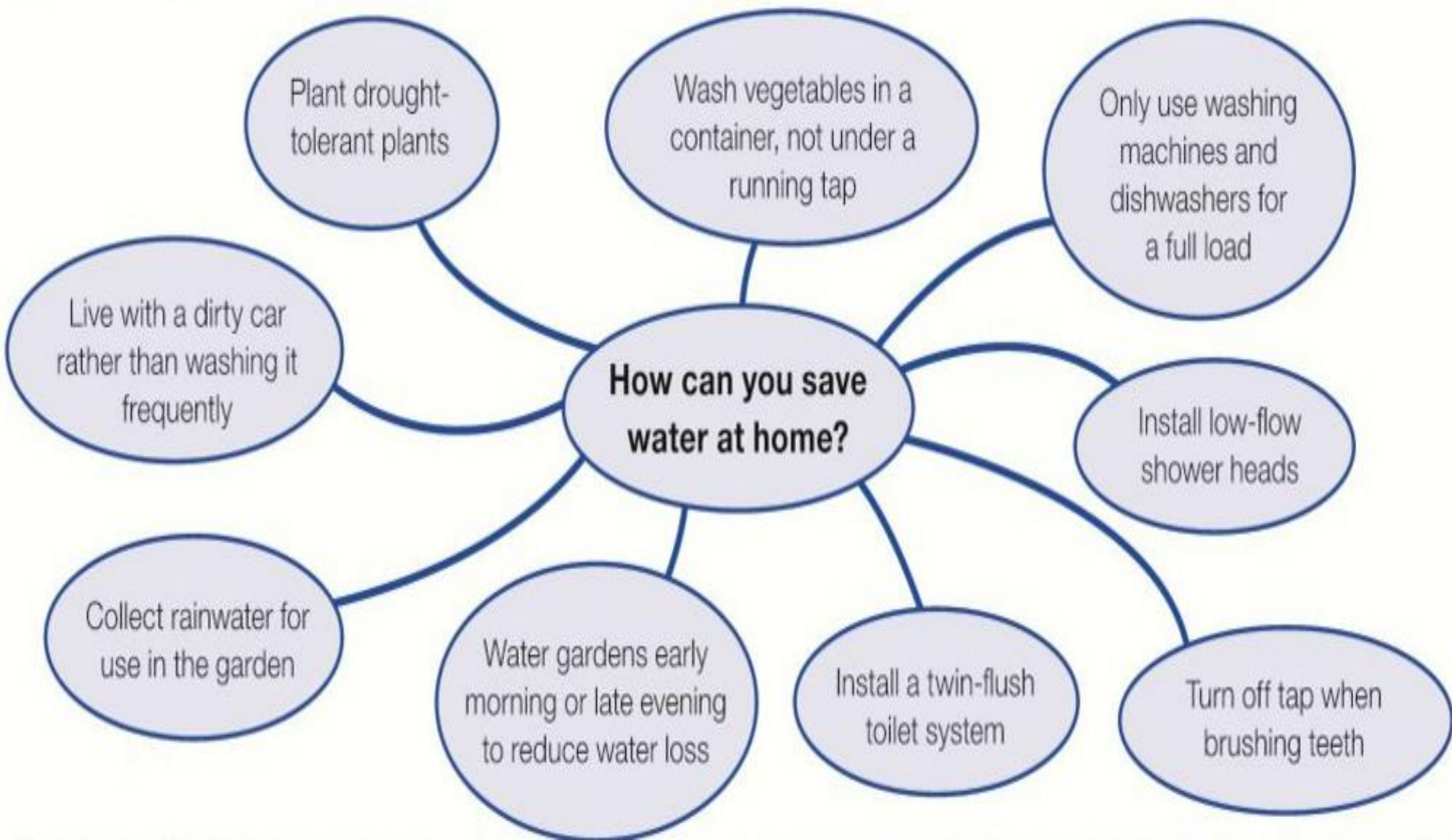-**Suggest** why recycling water is becoming more important

Water conservation:

- Reducing leaks – pipes, taps

(25%of global water supply is lost this way)

- Installing water meters

- Monitoring illegal connections

- Educating people at home....

How can you
save water
at home?

How can you save water at home?

- Plant drought-tolerant plants
- Wash vegetables in a container, not under a running tap
- Only use washing machines and dishwashers for a full load
- Live with a dirty car rather than washing it frequently
- Install low-flow shower heads
- Collect rainwater for use in the garden
- Water gardens early morning or late evening to reduce water loss
- Install a twin-flush toilet system
- Turn off tap when brushing teeth

Turning the tap off whilst brushing your teeth saves 6 litres of water per minute!

Groundwater management

- Monitor what is extracted from aquifers – so there is always the right **quantity** and **quality**.
- If the source is shared between countries, agreements of use are needed.

Participatory Groundwater Management (PGM), India

In rural India, 50 per cent of water for irrigation and 85 per cent of drinking water is groundwater. Communities are encouraged to conserve water from their wells through the PGM scheme. Without careful management, the future of some rural communities is at risk. The PGM scheme involves:

◆ training local people to record rainfall and to monitor groundwater levels and water abstraction (photo **B**)

◆ helping farmers to plan when and how much water to use for irrigation

◆ encouraging farmers to plant crops to fit in with annual periods when water is available.

Through PGM, rural communities have used scientific monitoring to balance water supply and demand using sustainable practices.

Explain why it is important to involve <u>local communities</u> in the sustainable management of groundwater.

Recycling water

- Treated domestic or industrial waste water is reused for irrigating crops, industry, power plants and toilet flushing.

Explain why grey water is sustainable and why more is being used.

What's black water..?!

Valve

Tank →   ← Pump

To sewer ←

Recycled water used for watering

-If used within 24hrs, it contains fertilisers for plants.
- In Jordan, of the water used for irrigation and gardens, 70% is grey water.