Science

Level: Standard 2

Strand: Conservation and Sustainability

Topic: Water Conservation

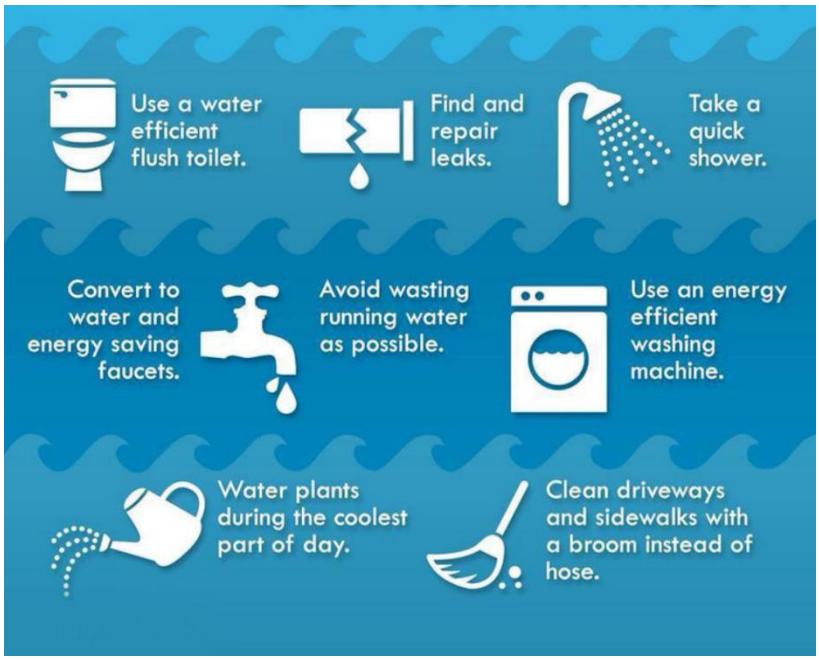
Key Points:

- Water has many uses and comes from various sources



- Conserving water means using our water supply wisely and be responsible.
- Water conservation is important because:
  i. Water grows food
  ii. It protects our ecosystems and wildlife
  iii. Less water usage means more savings
  iv. Water supplies are already limited
  v. Conserving water also saves energy

The picture below illustrates some ways we can conserve portable water



Activity 1:

Water in the home

Unscramble the letters to find the names of 6 things that use water



1) PAT ___

2) SAHWIGN AHCINEM _____ _____

3) ERWHOS _____

4) TABH ____

5) WTAREIGN NAC _____ ___

6) SOHE ____

Activity 2: Circle the water wasters below



Activity 3:

1. **Estimate** how much water do you think you use in a day?

   A big soda bottle is 2 Liters. Record your estimation here in Liters (L):_____

2. Write down each activity in which you use water during the day.

   _____ _____

   _____ _____

   _____ _____

   _____ _____

3. Use this chart to see how much water each activity uses.

Activity	Normal Use (Liters)
Showering	95
Bathing	150
Brushing teeth	18
Washing hands	8
Dishwasher	60
Washing clothes	220

4. Add the amount of water used for each activity. Calculate the total amount of water used in a day.

_____

_____

_____

5. Compare your results with the prediction. How can you use less water?

_____

_____

_____

Assessment: Complete numbers 1 to 5 using the word list below

bath, bucket, tap, sponge, full, dripping, shower

1. Only wash clothes when the washing machine is _____

2. Take a _____ not a _____

3. When washing the car use a _____ and _____ not a hose

4. Always fix _____ taps

5. Do not let the _____ run when brushing your teeth

6. Most of the water on earth is fresh water? True( ) or False( )

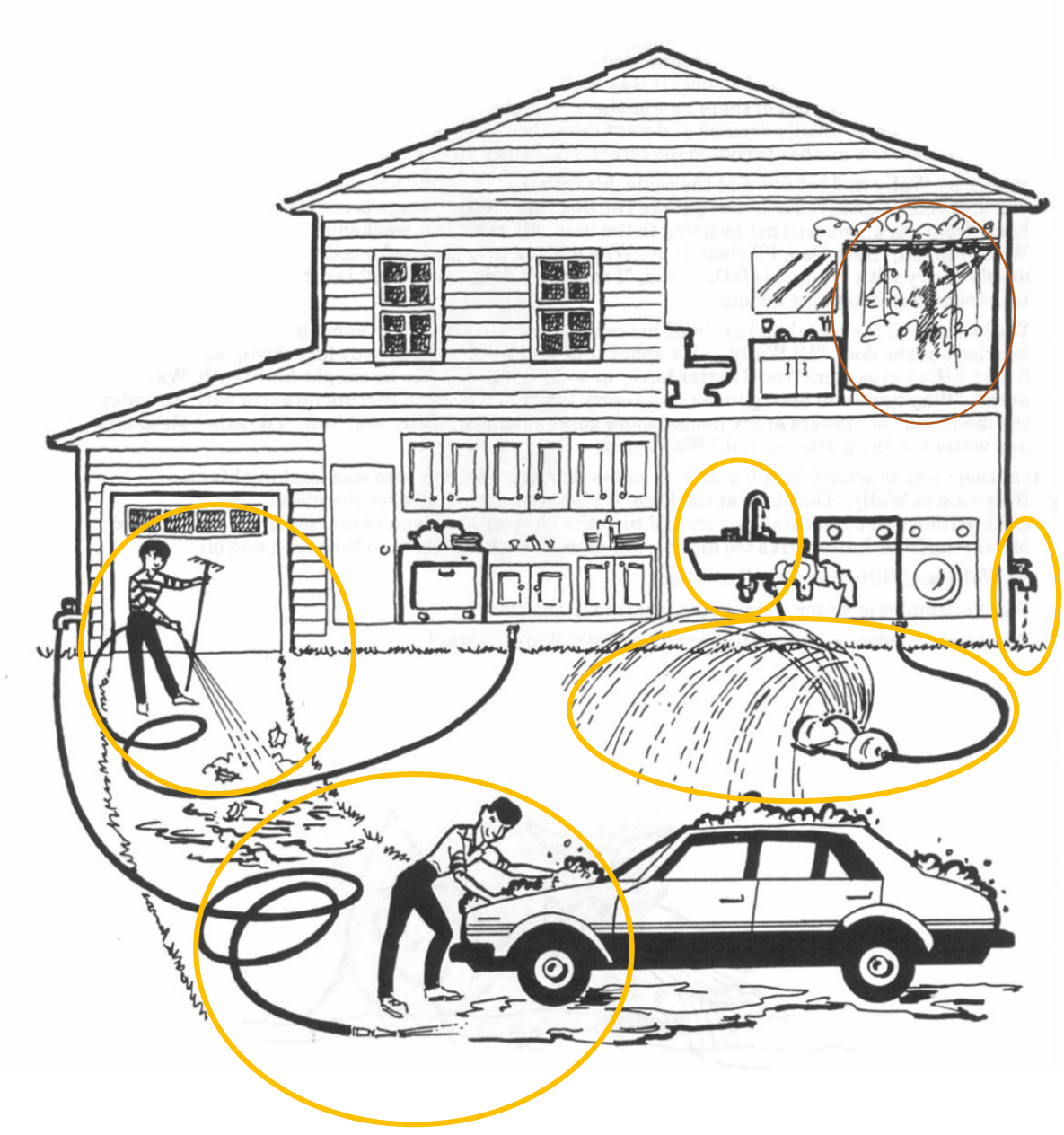
7. Keep the tap running when washing the dishes? True( ) or False( )

Answer key:

Activity 1:

1. Tap
2. Washing Machine
3. Shower
4. Bath
5. Watering Can
6. Hose

Activity 2:



Activity 3:

1. **Estimate** how much water do you think you use in a day?

   A big soda bottle is 2 Liters. Record your estimation here in Liters (L): 50

2. Write down each activity in which you use water during the day.

   Showering

   Brushing Teeth

   Washing Hand

3. Use this chart to see how much water each activity uses.

Activity	Normal Use (Liters)
Showering	95
Bathing	150
Brushing teeth	18
Washing hands	8
Dishwasher	60
Washing clothes	220

4. Add the number of water used for each activity. Calculate the amount of water used in a day.

   95 + 18 + 8 = 121

5. Compare your results with the estimation? How can you use less water?

   Amount of water used was GREATER than prediction amount by 121-50 = 71 L.

   Taking shorter showers, and turning off water tap when brushing teeth and soaping up hands

Assessment:

1. full
2. shower, bath
3. bucket, sponge
4. dripping
5 tap
6. False
7. False

References:

- https://natran.com/sustainable-suggestion-water-conservation/
- http://www.nirpc.org/media/4380/conservation.pdf
- https://issuu.com/cfwe/docs/citizens_guide_conservation
- https://www.state.nj.us/dep/seeds/docs/everydropcounts.pdf