

Name _____

Precious Water - Student Worksheet

Essential Water

Some water uses are more important than others.

Guess how much water:

A year 2 student needs to drink daily? _____

It takes to make a hamburger? _____

It takes to flush a modern toilet? _____

List the uses of water under the following headings

I must have water for these essential things	I would like to have water for these	I do not need water for these

Group decision

We must have water for _____ and _____

because _____

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Water Worth its Weight in Gold



We are used to always having water "on tap" nowadays.

During the 1870s Gold Rush out in the bush, fresh water was so difficult to get that weight for weight it was more expensive than gold! People's bodies stank from sweat and dirt. Many small children died from water borne diseases and were buried with their iron cots marking the edges of their graves.

Life is hard without water.

You are a "new chum" on your way to dig for gold. You have to walk for four days across country with no water holes. You ideally need to carry 1 liter of water to drink, wash your face and share with others, another liter if you are exercising (walking) and another if it is hot.

Calculate how much water you need to carry

DAY	Drink	Walk	Hot weather

Name _____

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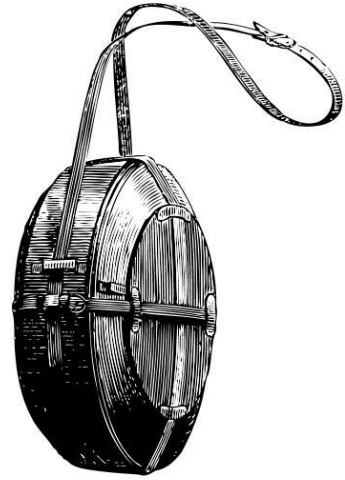
How much water would you ideally need to carry?

_____ liters

1 liter of water weighs 1 kilogram.

How many kilograms of water would you have to carry?

_____ kilograms



The average year 2 student weighs about 20kg. What fraction of their body weight would you be carrying on the first day?

How far do you think you could walk carrying that load?

The water canteen above carries slightly less than 1L water. How many canteens would you need?

What could you do to reduce water loss?
