

NAME _____

DATE _____

Water Allocation

Bar Chart

Water resource managers allocate and distribute water to all of the people who want it. When demand for water is greater than the supply, they must make some tough decisions.

If you were a water manager, how would you divide water among the stakeholders who need it?



Note: Large quantities of water are measured in acre-feet. One acre-foot is equivalent to almost 325, 852 gallons. It would cover $\frac{3}{4}$ of a soccer field with water at the depth of one foot.

Directions:

1. Read through the description of each stakeholder group.
2. Decide how to split 4,000,000 acre-feet of water among the people who need it.

Water Allocation

Stakeholder Group	Amount Allocated (acre-feet)
Total	4,000,000

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3. Create a bar chart that represents your allocation:

For each stakeholder, convert the allocated acre-feet to centimeters: 250,000 acre-feet = 1 cm. After your calculations are complete, color in the correct number of centimeters in the bar below for each stakeholder group in a different color. Label each group.

Stakeholder Group	Amount Allocated (acre-feet)	# of cm (Allocation/250,000)
(example) Households	750,000	$750,000 / 250,000 = 3\text{cm}$

(example)



agriculture

Bar Graph

