

~ ASK MOTHER NATURE ~

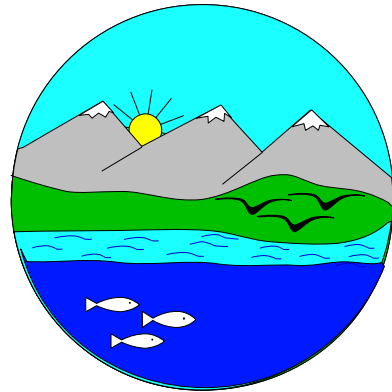
Welcome to **Ask Mother Nature**. I encourage kids to send me questions about Science, Nature, and/or the Environment. Each month I will answer one of the questions, then every week you will have an activity to go along with the topic of the question.

To receive a special Mother Nature Bookmark, send your questions to:



MotherNature@GrandLakeMountainProperty.com

or
Annie G
PO Box 573
Grand Lake, CO 80447



"I was thanking about the moster that gets in the coulds and how it rains. You are the only one that nows about it. Oh did you or god make the anamiles. Oh what is that stuf that looks like sope. Please anser me soon" Heather (1st grade)

Dear Mother Nature,
I was wondering about where clouds come from and why it rains.

Dear Heather,

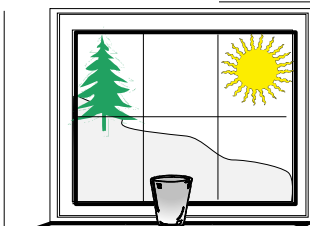
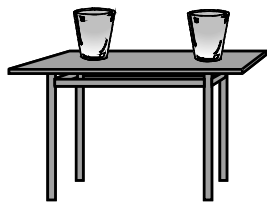
Heat from the sun *evaporates* some of the water from lakes, oceans, rivers. When this water is warmed by the sun, some of it forms an invisible gas which makes clouds. As these vapor clouds rise, they begin to cool off. The cool clouds can't hold as much water as the warm ones. Soon they break into millions of droplets. **This is when it rains.**

Try the experiments over the next couple of weeks. They will demonstrate how water evaporates, how clouds form and how it rains.

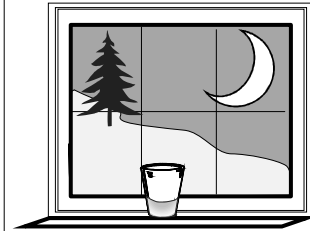
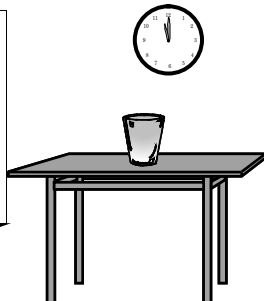
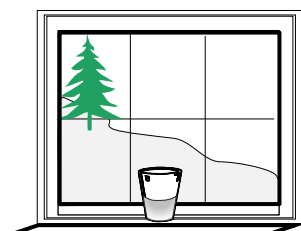
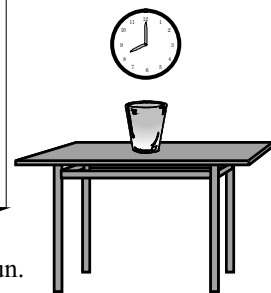
Naturally Yours, Mother Nature

WATER EVAPORATION

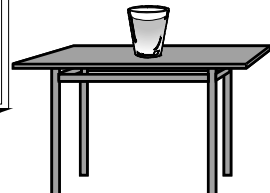
- Fill two small glasses with equal amounts of water
- Add a drop of food coloring to each



At breakfast time:
Put one glass in the warm sun.
Put one glass in a cool shady spot.



At dinner time
check both glasses.



What Happened?

- Most of the water in the glass in the sun *evaporated*.
- The glass in the shade stayed cool and almost full.

Next week,
we'll make clouds!

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