

# ~ ASK MOTHER NATURE ~

Would you like a special Mother Nature Bookmark? Do you have a questions?

write to [MotherNature@GrandLakeMountainProperty.com](mailto:MotherNature@GrandLakeMountainProperty.com)

or

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Dear Readers:

Groundhog Day is celebrated every year on February 2nd. This custom came from the German and English people. They believed that on this day every year the ground hog awakens from a long winter nap and it sticks it's head out from it's hole. If the ground hog sees it's shadow he crawls back into his hole. It is said that this means there will be six more weeks of winter. The official groundhog lives in a town called Punxsutawney, Pennsylvania. His name is Punxsutawney Phil. (Punk'-sa-yawny)

What makes a shadow? When the sun shines it sends out light rays. These rays shine on objects such as trees, houses and you. But the rays can't go through the objects. This is when you see a shadow. When the sun or a lamp is directly above you, your shadow will be shorter. At lunch time do you think your shadow would be long or short? Let's have some fun with shadows.

Naturally Yours, Mother Nature

You will need:  
A flashlight or lamp  
A blank wall  
Your imagination!

## SHADOW SHOW

Can you make...?



A long shadow?



A bird?



A short shadow?



A donkey?



A rabbit?



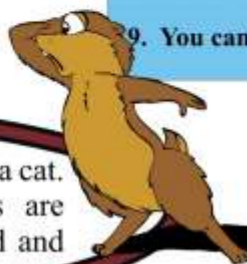
A goose?

What else can you make?

## Groundhog Pop-Up



Color fringed strip green  
Glue onto outside of styrofoam cup  
Color ground hog brown  
Glue him onto a popsicle stick  
Cut a slit in the bottom of cup  
Insert stick inside cup



A groundhog is a furry animal that is bigger than a cat. It is also called a woodchuck. Groundhogs are vegetarians. They dig tunnels under the ground and live there all winter. They eat alfalfa & clover.

## SHADOW STUMPER

Where can you have a shadow show? Answer each clue, putting one letter in each box. When you are finished, read down the shaded column of boxes to find the answer.

- Your shadow is <sup>longer</sup>/<sub>shorter</sub> when the sun is above you.
- You will look like a monster if your shadow is <sup>longer</sup>/<sub>shorter</sub>.
- The shade of a <sup>tree</sup>/<sub>lake</sub> is really a shadow.
- The sun must <sup>hide</sup>/<sub>shine</sub> for shadows to appear.
- The lunch <sup>time</sup>/<sub>food</sub> shadow will be short.
- Where light can't shine thru is called a ?
- The sun sends out <sup>rain</sup>/<sub>rays</sub>.
- The sun can't shine through <sup>air</sup>/<sub>clouds</sub>.
- You can also use a <sup>computer</sup>/<sub>lamp</sub> or a flashlight to make shadows.

Send your questions to:

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