



# How to Make a Natural Fire

Fire is one of the basic things we need to survive in the wild, but how can we make it without the use of matches, lighters etc.? The most common way is by friction. Here is a way to light fire using the bow drill

## Steps

- 1 Find the materials you need.** You will need: a branch or piece of wood about 60cm (2 feet) with a natural curve; a string which you will tie to the two ends of the branch to make a bow; a spindle, the thing that spins, which is a straight piece of wood; a fire board, a flat piece of wood, carve a small depression near the end of the fire board and cut a V shape notch from the edge of the board to the center of the hole you carved; and last you will need a palm tool preferably a stone (bone or wood could also do the job) witch you will grab in your hand and with it you will keep the spindle in position.
- 2 Set up.** Put down the fire board and press in with your foot so it is stable. Wrap the string of the bow around the spindle. Put one end of the spindle on the depression you carved to the fire board. put the palm tool on top of the spindle and keep it there to ensure that the spindle remains in its place. With your other hand hold the bow.
- 3 Lighting fire.** Staying in this stance draw the bow back and forth to force the spindle to spin. Keep controlling it with the palm tool and press it downward to create friction between the spindle and the fire board. After 30 to 50 seconds the fiction will have created a small ember in the notch, carefully put it some tinder and gently blow it squeeze it, it will burst into a flame!

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## Tips

- This is not the only way to make fire using only materials you find in the nature, you can also use the hand drill, the pump drill and the fire plow
- The palm tool should have a depression itself so it will be easier for the spindle to stay in its place
- The spindle should be from soft wood like cedar or willow
- The fire board should be from a slightly harder or softer wood than the spindle
- The spindle and the fire board must be dry to get warm easier
- Just to make a small flame isn't enough for making a campfire or a signal fire; it takes a lot to turn that small flame into a big fire, after you have created a flame you have to build a fire

## Warnings

- You should never underestimate the dangers of lighting a fire. Make sure you don't light a fire near anything that could catch fire and that you are able to entirely burn it out at any moment.

## Things You'll Need

- bow
- spindle
- fire board
- palm tool
- tinder
- dead grass
- twigs

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