

Instructions for an Electric Kettle

Boiling water is essential to ensure that the water is safe for consumption. One of the most common ways to boil water is using an electric kettle. Kettles are a device that heats up the water inside and automatically shut off. Boiling the water removes the pathogen and germs that might be present in the water, so boiling water is essential for the health of the drinker.



Warning!!! Boiling water does not remove any metal contaminants like lead from pipe erosion will not be removed from boiling water. A water filter should be used when obtaining the water to remove such hazards.

Note: The kettle is only meant to boil water and not meant for cooking foods inside of it. Use a different container after the water has been boiled that can hold boiling water.

Materials:

- Electric Kettle
- Water
- Electrical Outlet

Warning!!! Before you start, make sure to find an open area vertically where there isn't anything directly above the kettle. The steam that comes from the boiling water is hot and can cause damage to anything above it.



Warning!!! Depending on your elevation, the duration of how long the water boils may be required to be longer. At elevations around 6,500 will require the water to be boiled for at least 3 minutes. Check to see the time required at your elevation.

Instructions:

1. Obtain water that has been safely filtered for metal contaminants into a container.
2. Press the black button on top of the handle to open the lid.
3. Pour obtained water into the kettle, using the guidelines underneath the handle.
4. Close the lid by pressing it into its original state.
5. Plug in the plate in a vertically spacious area
6. Set the center of the jug into the middle of the extrusion of the plate
7. Press the white button below the handle which should shine red to start the boiling process. If the white handle does not stay down, the jug is not placed in the center well. **Do not touch the steel parts of the jug during and shortly after the boiling process!!**
8. After the clear switch has turned off and switched back to the up position, pick up the jug and pour the boiling water for any use.



Conclusion

Boiling the water has now been completed. The water can be used for soups, ramen, tea, coffee, and more. There might be some excess water after being used. It is advised to drain the water out of the kettle to prevent any spills the next time you use the kettle.

[Additional tips](#) about the kettle and boiling water are on the next page

Tips

- It is a myth that cold water boils faster than hot water. Cold water will absorb more heat initially but will slow down this absorption rate and boil just as fast as hot water once it reaches its temperature.
- Putting less water in the kettle will allow the water to boil faster.
- Similar to the previous instruction, It is a myth that adding baking soda or salt will help the water boil faster.
- Keeping the lid closed will trap more steam and boil the water faster.