FIREWORKS FROM A GRAPE

Nuke a grape.

THE SETUP
Would you believe pyrotechnics from a grape? You will need:
• A green seedless grape
• A sharp knife
• A microwave-safe plate
• A microwave oven
To prepare a grape for this heat-and-lightshow, carefully slice it almost in half leaving the halves attached by skin.
Place the grape on a microwave-safe plate with the cut sides down. Place the plate in the center of a microwave oven. Nuke it on high for thirty seconds. Watch it through the door.
Within five seconds, sparks shoot between the grape halves. Three to four seconds later lightning arcs over the skin bridge and the force blasts the two halves of the grape apart, ending the show.
At this point turn off the microwave to prevent any damage to the oven or further damage to the grape.
INSIDER INFORMATION
There isn’t a simple explanation for the grape explosion, but here’s what some of the best minds around think happens:
1. Grape juice conducts electricity.
2. Microwaves not only heat the water in the grapes but force a small amount of electricity back and forth through the skin bridge. This heats the bridge hot enough for it to catch on fire.
3. The microwaves begin to pass through the flame, which can also conduct electricity. This kind of electric current forms a brilliant light arcing back and forth between the grape halves. By the time this happens the bridge has been burned, so to speak.
4. The arcing current is strong enough to blast the grape halves apart.
Not bad for a fruit that’s just one of the bunch.