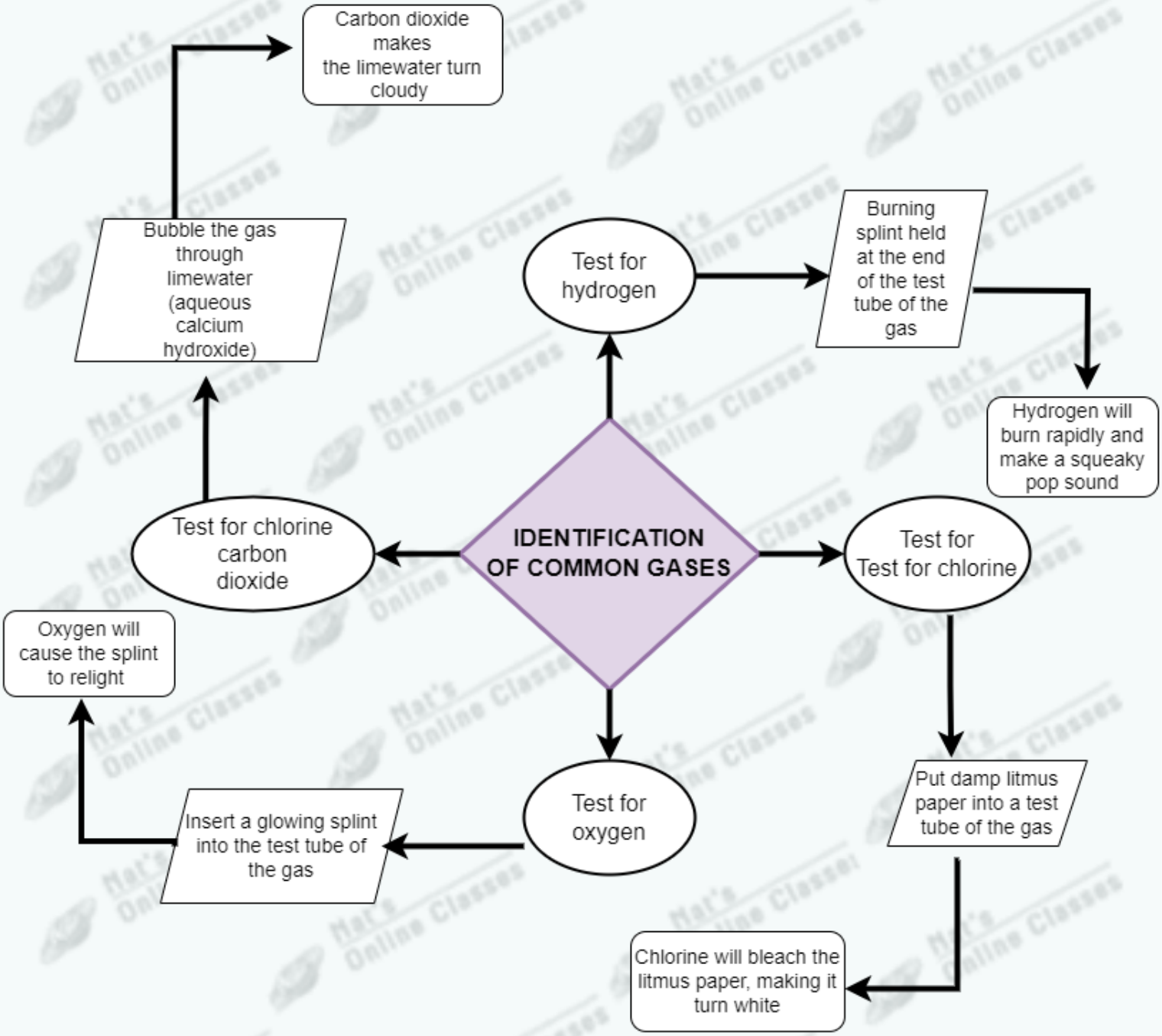
IDENTIFICATION OF COMMON GASES
Test for hydrogen
Burning splint held at the end of the test tube of the gas
Hydrogen will burn rapidly and make a squeaky pop sound
Test for Test for chlorine
Put damp litmus paper into a test tube of the gas
Chlorine will bleach the litmus paper, making it turn white
Test for oxygen
Insert a glowing splint into the test tube of the gas
Oxygen will cause the splint to relight
Test for chlorine carbon dioxide
Bubble the gas through limewater (aqueous calcium hydroxide)
Carbon dioxide makes the limewater turn cloudy