

Name:

Class:



Describe a test for oxygen gas.

Test: glowing splint.**Result:** the splint relights or reignites if oxygen is present.

Give the formula of calcium hydroxide.



In the table below, tick one box for each liquid to show whether it is acidic, neutral or alkaline. One has been done for you.

Liquid	pH	Acid	Neutral	Alkaline
Alcohol	7		✓	
Drain cleaner	1	✓		
Distilled water	7		✓	
Vinegar	3	✓		
Oven cleaner	13			✓

i. Which liquid is the strongest acid? **Drain cleaner.**ii. Which liquid is strongest alkali? **Oven cleaner.**iii. Which is the weakest acid? **Vinegar.**How many atoms are present in one molecule of aluminium oxide, Al_2O_3 .**5**

State what is meant by a "hydrocarbon"?

A compound containing only atoms of hydrogen and carbon.

Assuming that stomach acid is hydrochloric acid, complete the word equation for its reaction with magnesium hydroxide.

hydrochloric acid + magnesium hydroxide → **magnesium chloride + water**

Give the symbols of the following elements.

Potassium	Aluminium
K	Al

Circle the correct answer.

A gas not usually found in air?

Carbon dioxide **hydrogen** oxygen

Describe the chemical test for hydrogen gas.

Test: use a lit splint.**Positive result:** a squeaky pop is heard.