

Oksigen / Oxygen

Kaedah / Method:

Masukkan kayu uji berbara ke dalam tabung uji itu.
Insert a glowing wooden splinter into the test tube.

Pemerhatian / Observation:

Kayu uji menyala.
Wooden splinter lights up.

Hidrogen / Hydrogen

Kaedah / Method:

Kayu uji menyala didekatkan ke mulut tabung uji.
A lighted wooden splinter is placed near the mouth of the test tube.

Pemerhatian / Observation:

Bunyi 'pop' terhasil.
'Pop' sound is produced.

Karbon dioksida / Carbon dioxide

Kaedah / Method:

Gas dialirkan ke dalam air kapur di dalam tabung uji.
Gas is flowed into limewater in a test tube.

Pemerhatian / Observation:

Air kapur menjadi keruh.
Limewater turns cloudy.

Ammonia / Ammonia

Kaedah / Method:

Kertas litmus merah lembap didekatkan ke mulut tabung uji.
A moist red litmus paper is placed near the mouth of the test tube.

Pemerhatian / Observation:

Kertas litmus merah lembap menjadi biru.
Moist red litmus paper turns blue.

Ujian Gas Gas Tests

Hidrogen klorida / Hydrogen chloride

Kaedah / Method:

Rod kaca yang dicelup dengan larutan ammonia pekat didekatkan ke mulut tabung uji.
A glass rod is dipped into concentrated ammonia solution is placed near the mouth of the test tube.

Pemerhatian / Observation:

Wasap putih terhasil.
White fumes is produced.

Klorin / Chlorine

Kaedah / Method:

Kertas litmus biru lembap didekatkan ke mulut tabung uji.
A moist blue litmus paper is placed near the mouth of the test tube.

Pemerhatian / Observation:

Kertas litmus biru lembab menjadi merah dan kemudian dilunturkan.
Moist blue litmus paper turns red and then bleached.

Sulfur dioksida / Sulphur dioxide

Kaedah / Method:

Gas dialirkan ke dalam larutan kalium manganat(VII) berasid di dalam tabung uji.
The gas is flowed into acidified potassium manganate(VII) solution in a test tube.

Pemerhatian / Observation:

Warna ungu larutan kalium manganat(VII) berasid menjadi tidak berwarna.
Purple colour of acidified potassium manganate(VII) solution turns colourless.

Nitrogen dioksida / Nitrogen dioxide

Kaedah / Method:

Kertas litmus biru lembap didekatkan ke mulut tabung uji.
A moist blue litmus paper is placed near the mouth of the test tube.

Pemerhatian / Observation:

Kertas litmus biru lembap menjadi merah.
Moist blue litmus paper turns red.