

# Identifying gases

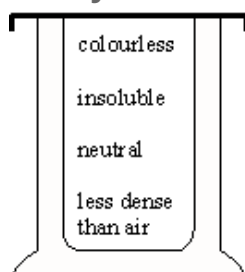
This task is about using a key to identify gases.

Use the key to identify the gases in the jars labelled A to D.

## Key to identifying gases

1. Is the gas colourless?	Yes	go to 2
	No	⇒nitrogen dioxide
2. Is the gas soluble in water?	Yes	go to 3
	No	go to 4
3. Does the gas turn moist litmus pink?	Yes	⇒carbon dioxide
	No	⇒ammonia
4. Is the gas less dense than air?	Yes	⇒hydrogen
	No	⇒oxygen

Jar A



Gas?

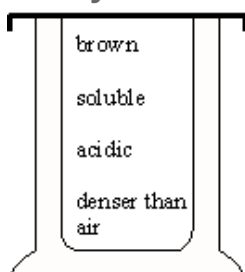
*Nitrogen dioxide*

*/ Carbon dioxide*

*/ Ammonia/ Hydrogen*

*/ Oxygen*

Jar B



Gas?

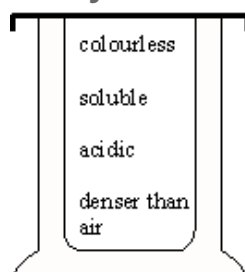
*Nitrogen dioxide*

*/ Carbon dioxide*

*/ Ammonia/ Hydrogen*

*/ Oxygen*

Jar C



Gas?

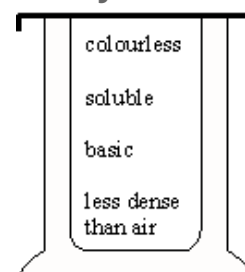
*Nitrogen dioxide*

*/ Carbon dioxide*

*/ Ammonia/ Hydrogen*

*/ Oxygen*

Jar D



Gas?

*Nitrogen dioxide*

*/ Carbon dioxide*

*/ Ammonia/ Hydrogen*

*/ Oxygen*