

Worksheet: Oxygen

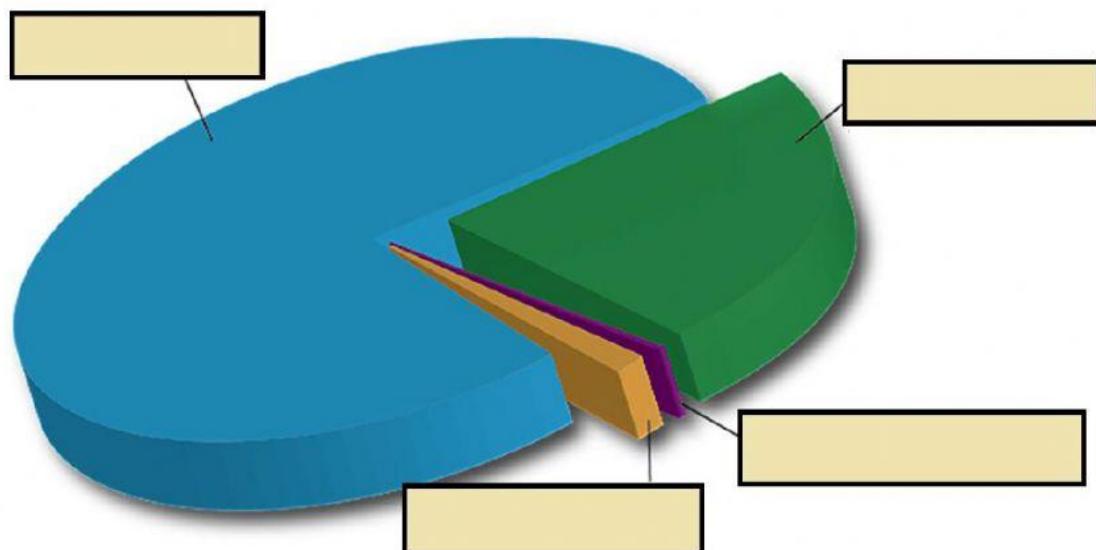
Oxygen is one of the gases in air. Label the pie chart below by dragging the names of the gases to the correct section on the pie chart.

Carbon dioxide

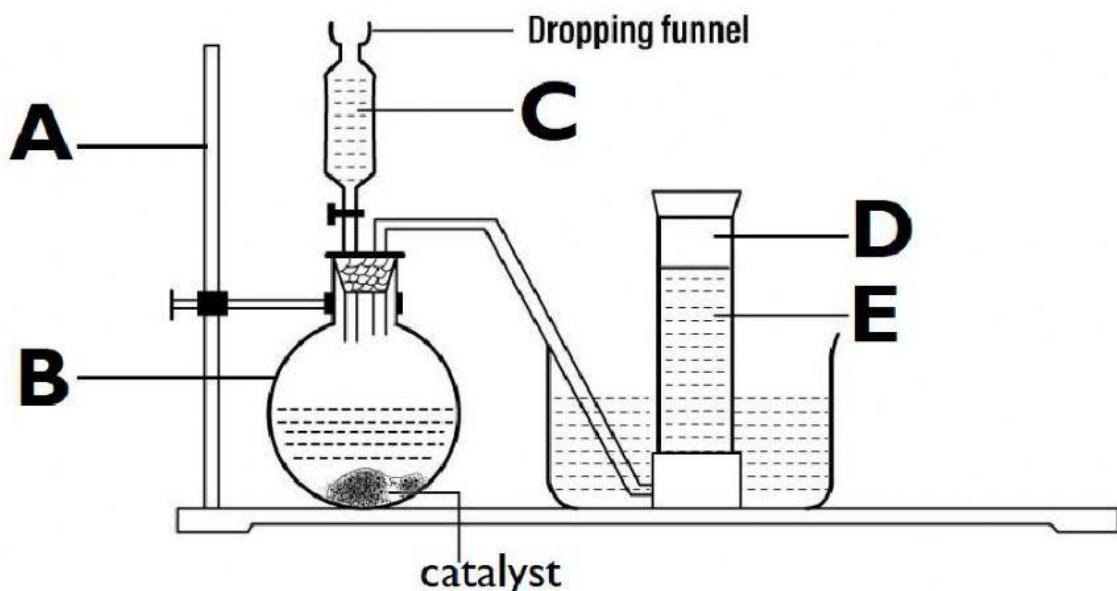
Nitrogen

Other gases

Oxygen



Oxygen gas can be prepared in the science laboratory using a hydrogen peroxide and a catalyst. The setup of the experiment is shown below.



What is the name of the catalyst used in this reaction? _____

Which phrase best describes how a catalyst works? _____

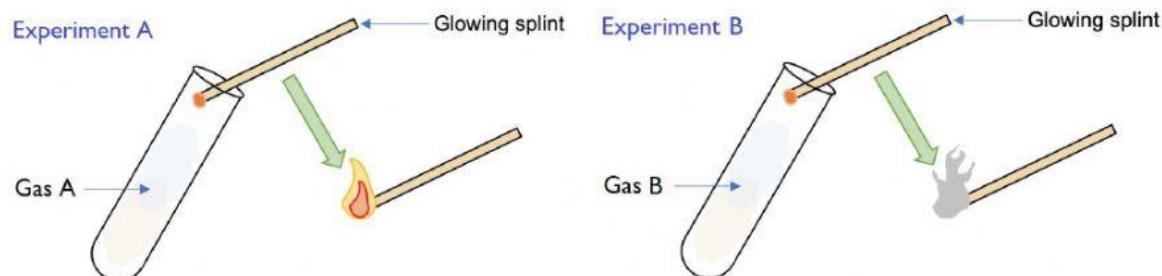
What is the name of apparatus A? _____

What is the name of apparatus B? _____

Which letter represents the hydrogen peroxide? _____

Which letter represents the oxygen gas that is produced? _____

Oxygen gas may be tested in the science laboratory using a glowing splint. The diagram below shows the test of two gases using a glowing splint.



What is the name of the gas being tested in experiment A? _____

What is the name of the gas being tested in experiment B? _____

From the following list, place a check mark beside each statement that is a property of oxygen. If it is not a property of oxygen, leave the space blank.

	Burns with a squeaky pop
	Is an odorless gas
	Is neutral (neither an acid or base)
	Supports combustion
	Is lighter than air
	Has a pungent odor
	Is slightly soluble in water
	Is colorless
	Has a bitter taste
	Extinguishes a glowing splint

Name the process carried out by all living organisms that requires oxygen gas.