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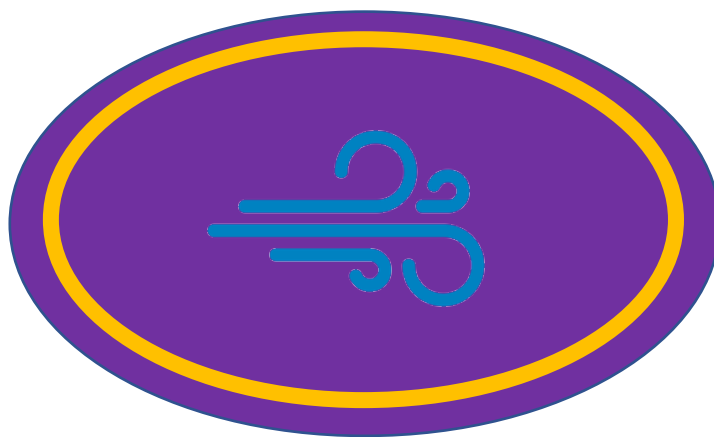
SEC AREA 8 PATHFINDERS



Pathfinder Honour:
MODEL WORKSHEET (answers)

Breathing & Oxygen

Part of Health & Science category of Honours



Name:

Club:

Date Started:

Date Completed:

Instructor Name:

Signature:

Club Directors Name:

Signature

Please Award a Patch:

To be signed by Authorised Person (e.g. Area Director) after satisfactory completion. Leaders, please see the Assessment sheet for a checklist of practical requirements and a short test to check knowledge of honour

Date Patch Presented:

Breathing & Oxygen honour

Section 1

Question One

Define Oxygen?

Question Two

What is chemical symbol used to represent Oxygen?

Question Three

State the Atomic mass and Atomic number of Oxygen?

Question Four

A) Explain why plants and animals need oxygen

B) Identify three uses of oxygen

Physiological	Industrial	Aerospace

Question Five

Who discovered oxygen and in what year?

Question Six

Discover what Genesis 2:7 says concerning the creation of man?

Section 2

Question One

Define Breathing?

Question Two

Describe the steps involved in breathing?

Question Three

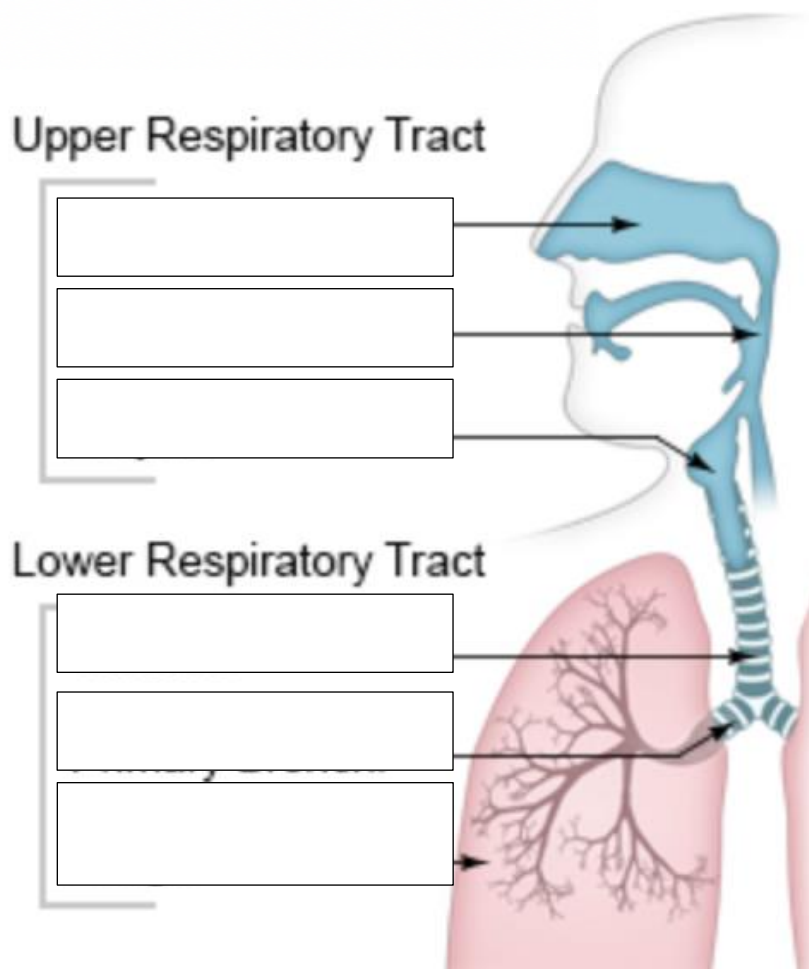
What is the main difference between inhaling and exhaling?

Inhaling	Exhaling

Question Four

A. What body system is responsible for breathing?

B. Label the diagram.



Question Five

A. What is conscious breathing?

B. Give two examples when conscious breathing is used and state the benefits.

<u>Example</u>	<u>Benefits</u>
<u>1.</u>	
<u>2.</u>	

Question Six

A. What is unconscious breathing

B. What is the name and function of the primary respiratory centre that controls unconscious breathing?

Question Seven

Why does deep breathing relax you?

Question Eight

Use a concordance to find a text about breathing or oxygen and memorise it.

Question Nine

Do the following the two experiments:

- Create a model of breathing lungs.
(<https://www.youtube.com/watch?v=SwOlykEt0To>)



- Do the candle and air experiment.
(<https://www.youtube.com/watch?v=f9KiWxPivhs>)

