

Cellular Respiration SL

- Cellular respiration is the _____ release of _____ from _____ molecules such as _____. It takes place because cells need energy in the form of _____. The reason _____ is important is because it can _____ be used as _____ in a cell.
- There are two types of respiration. The first step in both forms of respirations is _____ which takes place in the _____ of a cell. It is the process of converting _____ to _____. It only produces ___ molecules of _____. _____ either remains in the _____ and undergoes _____ respiration or enters the _____ to undergo _____ respiration.
- Yeast is useful because of the end-products made during _____, which is a special name for _____ respiration. _____ can be used as a source of fuel, and _____ is important in the _____ industry to make fluffy _____.
- In humans, we can _____ muscle _____ when we respire _____. The waste product formed is called _____. It gets broken down _____ in the liver, which is why _____ and _____ rate remain high even after _____ intensity exercise has stopped.
- Complete the table comparing the

Type of Respiration:		
Name of first chemical reaction:		
Oxygen required?		
Amount of ATP produced		
Site		
Substrate		
End-products		

- In aerobic respiration experiments, the _____ of respiration can be measured using an apparatus called a _____.

7. This type of apparatus is shown in the schematic below.

An _____ such as _____, absorbs the _____ gas which is produced by the sample, which could be a _____ seed or an _____.

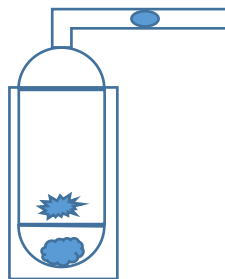
The change in volume of _____ gas _____ the pressure in the vessel. This moves the bubble. Draw an arrow showing the direction the bubble will move. Several factors should be controlled, including _____, _____, and _____.

_____ . Complete the annotations and draw a ruled line to the correct structure.

Glass tube:
measures the _____ in the _____ (cm³)

Sample: The organism being tested, such as a _____ or _____

Wire mesh: prevents _____ from _____ the _____.



Airtight seal:

Water jacket: controls the _____

_____ substance: