

DEPARTMENT OF BIOLOGY

GRADES 9 TO 12

TERM-1, ACADEMIC YEAR 2017 – 2018

Worksheet No.	1	Topic	Respiratory system and gaseous exchange		
Grade	10	Section		Date	
Student Name					

1. Compare aerobic respiration and anaerobic respiration.
2. Write the word and balanced chemical equation for anaerobic respiration in yeast and humans.
3. What are the properties of an ideal gas exchange surface?
4. List the structures through which a molecule of oxygen passes to get from the atmosphere to the cytoplasm of a working cell.
5. What is the difference between respiration and gas exchange?
6. What is tidal volume?
7. What is vital capacity?
8. Name the instrument that is used to measure the amount of air that enters or leaves the lungs.
9. Explain the effect of exercise on rate of breathing?
10. What is oxygen debt?