



# INDIAN SCHOOL NIZWA - WORKSHEET

## BIOLOGY

### CH-17 RESPIRATORY SYSTEM

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: XI-A

- 1 Define respiration.
- 2 Draw a well labeled diagram of human respiratory system.
- 3 . How do the following organisms respire?  
(a) Earthworm (b) Aquatic arthropods (c) Terrestrial vertebrates
- 4 What are the various steps involved in respiration?
- 5 Explain the mechanism of breathing.
- 6 Define the following.  
(a) Tidal volume (b) Inspiratory reserve volume (c) Expiratory reserve volume  
(d) Residual volume (e) Inspiratory capacity (f) Expiratory capacity (g) Functional residual capacity (h) Vital capacity (i) Total lung capacity
- 7 Explain the mechanism of exchange of gases.
- 8 Explain how O<sub>2</sub> & CO<sub>2</sub> is transported?
- 9 Define oxygen dissociation curve. Can you suggest any reason for its sigmoidal pattern?
- 10 How is respiration regulated?
- 11 Write a note on Asthma, Emphysema and Occupational disorders.



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