

# WORKSHEET

## 10. Respiration in Organisms

**1. Complete the following definitions.**

- (a) The taking in oxygen rich air is called \_\_\_\_\_.
- (b) The process of breakdown of glucose in the cells with release of energy is called \_\_\_\_\_.
- (c) The number of times a person breathes in a minute is called \_\_\_\_\_.
- (d) The giving out carbon dioxide rich air is called \_\_\_\_\_.
- (e) Organisms carrying out anaerobic respiration are called \_\_\_\_\_.

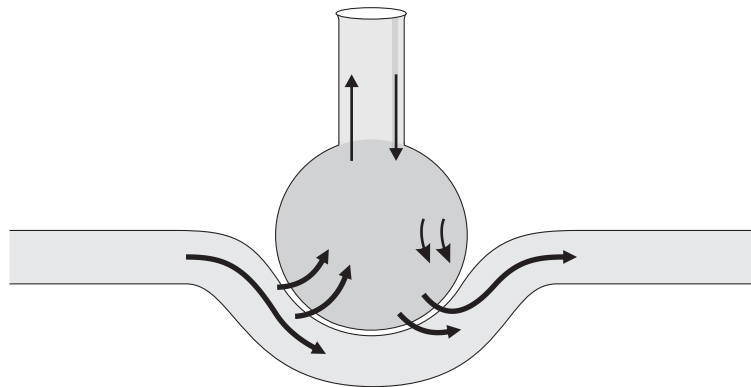
**2. Differentiate between aerobic and anaerobic respirations on the parameters given below.**

Parameter	Aerobic respiration	Anaerobic respiration
Presence of oxygen		
Breakdown of food		
Amount of energy released		

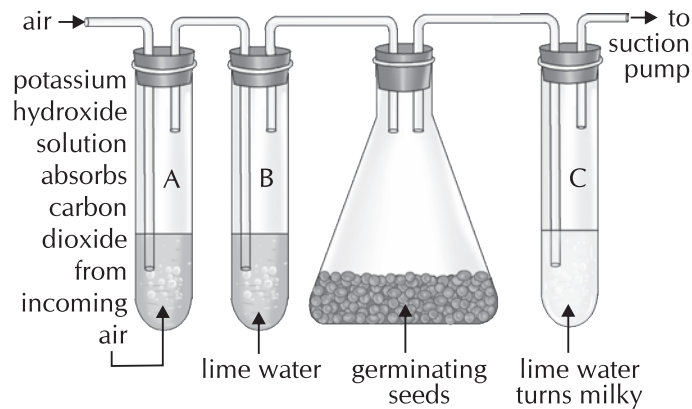
**3. Fill in the blanks.**

- (i) \_\_\_\_\_ is used to make beer and wine.
- (ii) \_\_\_\_\_ is produced due to anaerobic respiration in muscles.

**4. Label the diagram and show the exchange of gases in alveolus.**



5. Look at the figure given below and answer the following.



(a) Why does the lime water in test tube B not turn milky?

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(b) Why does the lime water in test tube C turn milky?

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(c) What can you conclude from this activity?

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6. State whether the following statements are true (T) or false (F). Rewrite the false statements correctly.

(a) Plants get energy by the process of respiration.

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(b) The earthworm breathe through gills.

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(c) The exchange of gases in leaves take place through stomata.

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(d) Air is also present between soil particles.

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