

## Unit#2 Organ System in human beings

### Answers to Exercises (Book: Pg. 18)

#### 1. Name the correct part of the digestive system:

- (a) teeth      (b) mouth      (c) stomach      (d) pancreas      (e) liver  
(f) glands in the intestines      (g) large intestine      (h) anus      (i) villi

#### 2. (a) Define respiration. Draw.....label it.

**Ans:** Respiration is the process by which food is broken down, or oxidized in the body to release energy.

**Consult Pg. 15: For labeling diagram.**

#### (b): What .....respiration?

**Ans:** Oxygen gas is needed for respiration.

#### (c): What gas.....by respiration?

**Ans:** Carbon dioxide gas is produced by respiration.

#### (d): Where does.....in the lungs?

**Ans:** Gaseous exchange takes place in tiny air sacs or alveoli.

#### (e): Which.....the lungs?

**Ans:** Rib cage protect the lungs.

#### (f): Differentiate between breathing and burning.

**Ans:** Breathing takes place in living organisms. It releases energy slowly. The rate of respiration can be controlled. It produces only heat. Burning produces light as well as heat.

#### 3. Arranging the activities in the correct sequence:

The diaphragm contracts.

The intercostal muscles contract.

The chest gets larger.

Air is forced into the lungs.

The diaphragm relaxes.

The intercostal muscles relax.

The chest gets smaller.

Air is forced out of the lungs.

#### 4. Label the parts of the respiratory system.

**Consult Pg. 15: For labeling diagram.**

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