

# Grade 10 – Life Process in Plants and Animals (Terminology)

1. Plant organ that anchors a plant and absorbs water and minerals.

## **Root**

2. Plant tissue that transports water and mineral salts from the root to the rest of the plant.

## **Xylem**

3. Plant tissue that transports organic molecules from the leaves to the rest of the plant.

## **Phloem**

4. Increasing pressure in the vacuole as a result of influx of water by osmosis.

## **Turgidity**

5. Process that forces water droplets through the hydathodes on the edges of leaves.

## **Guttation**

6. The largest bone in the human body that articulates with the hip bone.

## **Femur**

7. Smallest bones in the human body.

## **Ossicles**

8. Elastic tissue that connects bone to bone.

## **Ligament**

9. Inelastic tissue that connects bone to muscle.

## **Tendon**

10. Skeletal muscles arranged in pairs so that one relaxes when the other contracts.

## **Antagonistic muscles**

11. Human blood system in humans where blood is contained in vessels.

**Closed circulatory system**

12. Double-walled membrane that encloses and protects the heart.

**Pericardium**

13. All the changes that take place in the human heart during one heart beat.

**Cardiac cycle**

14. Swelling that occurs when tissue fluid is not drained properly.

**Oedema**

15. Apparatus used to measure blood pressure.

**Sphygmomanometer**

16. Condition that causes enlargement of the heart and weakened heart muscles.

**Cardiomyopathy**

17. Condition characterised by painful joints.

**Arthritis**

18. High blood pressure.

**Hypertension**

19. Low blood pressure.

**Hypotension**

20. Abnormally high heart rate.

**Tachycardia**

21. Abnormally low heart rate.

**Bradycardia**

22. Fibrous tissue that separates the right side of the heart from the left.

**Septum**

23. 12 vertebrae of the chest.

**Thoracic vertebrae**

24. The seven vertebrae in the neck.

**Cervical vertebrae**

25. The five vertebrae of the lower back.

**Lumbar vertebrae**