

Grade 10 – Life Processes in Plants and Animals (MCQ)

A group of similarly differentiated cells that perform a common function.

- A Stem cells
- B Protoplasm
- C Tissue**
- D Molecules

Plant tissue which occurs most abundantly in plants.

- A Xylem
- B Mesophyll**
- C Phloem
- D Cambium

Loss of water vapour through the aerial parts of a plant.

- A Photosynthesis
- B Respiration
- C Transpiration**
- D Guttation

Process by which gases enter or exit a leaf.

- A Osmosis
- B Diffusion**
- C Active transport
- D Transpiration

Chamber of the heart that receives deoxygenated blood from the body.

- A Left ventricle
- B Right ventricle
- C Left atrium
- D Right atrium**

Smallest bones in the human body.

- A Ossicles**
- B Carpals
- C Tarsals
- D Phalanges

Type of skeleton characterised by its chitin content.

- A Endoskeleton
- B Exoskeleton**
- C Hydrostatic skeleton
- D Gelatinous skeleton

The bones making up one arm.

- A Carpals, metacarpals and phalanges
- B Femur, tibia and fibula
- C Humerus, radius and ulna**
- D Tarsal, metatarsals and phalanges

A condition characterised by a decrease in bone density.

- A Scoliosis
- B Osteoporosis**
- C Rachitis
- D Arthritis

The largest group of muscles in the human body.

- A Gluteus maximus
- B Rectus abdominus
- C Biceps
- D Quadriceps**

Vessel that transports oxygenated blood from the lungs to the heart.

- A Pulmonary vein**
- B Pulmonary artery
- C Superior vena cava
- D Inferior vena cava

Vessel that transports oxygenated blood from the heart to the rest of the body.

- A Pulmonary artery
- B Aorta**
- C Superior vena cava
- D Pulmonary vein

Which of the following is NOT involved in the upward movement of water in a plant?

- A Transpiration pull
- B Capillarity
- C Root pressure
- D Guttation**

The movement of water from a high water potential to a low water potential through a semi-permeable membrane.

- A Diffusion
- B Transpiration
- C Osmosis**
- D Respiration

Type of joint found in the knee.

- A Hinge joint**
- B Ball and socket joint
- C Pivot joint
- D Immovable joint

Double-walled membrane that surrounds the heart.

- A Endocardium
- B Myocardium
- C Pericardium**
- D Septum

A surgical procedure that provides an alternate route for blood flow to the heart.

- A Angioplasty
- B Coronary artery bypass graft (CABG)**
- C Thrombectomy
- D Valve replacement