

MCQ

D.2.1. Erythrocytes

1. What happens when an erythrocyte is placed in an isotonic solution?
 - a) The erythrocyte is going to swell
 - b) The erythrocyte is going to burst
 - c) The erythrocyte is going to shrink
 - d) The erythrocytes will not change its shape
2. What happens when an erythrocyte is placed in a hypotonic solution?
 - a) The erythrocyte is going to swell
 - b) The erythrocyte is going to shrink
 - c) The erythrocytes will not change its shape
 - d) The erythrocyte is going to die
3. What happens when an erythrocyte is placed in a hypertonic solution?
 - a) The erythrocyte is going to swell
 - b) The erythrocyte is going to burst
 - c) The erythrocyte is going to shrink
 - d) The erythrocytes will not change its shape
4. In which organ will most erythrocytes die?
 - a) The heart
 - b) The liver
 - c) The spleen
 - d) The skeletal muscles
5. In the diffusion of oxygen molecules from the inspired air in the lungs to the hemoglobin molecules in the erythrocytes, how many plasma membranes must the oxygen molecules have to pass through?
 - a) 2
 - b) 3
 - c) 4
 - d) 5

Answers:

- 1) d.
- 2) a.
- 3) c.
- 4) c.
- 5) d.