**TEST**

**Emër/Mbiemër: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1. Verifikoni njohuritë**

**Presioni i gjakut është**: **1 pikë**

a) shumë i ulët në vena;

b) mbetet konstant në arterie;

c) rritet në kapilare;

d) kthehet përsëri i lartë në afërsi të zemrës.

**2. Rritja e vëllimit të gjakut në parabarkushen e djathtë shoqërohet me**: **1 pikë**

a) ngadalësim të punës së zemrës;

b) përshpejtim të punës së zemrës;

c) rritje të pH në gjak;

d) asnjërën prej tyre.

**3. Nyja atrioventrikulare është përgjegjëse për**: **1 pikë**

a) automatizimin e zemrës;

b) bën kalimin e nxitjes nervore nga parabarkushja në barkushe;

c) lejon rrjedhjen e gjakut në një drejtim;

d) të tria alternativat.

**4. Përgjigjuni pyetjeve:**

Nga çfarë strukturash është i formuar sistemi limfatik? **1 pikë** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cilët janë funksionet e tij? **1 pikë** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cilat janë tipat e rruazave të bardha? **1 pikë**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Cilat janë proceset me anë të të cilave substancat dalin nga kapilarët? **1 pikë**

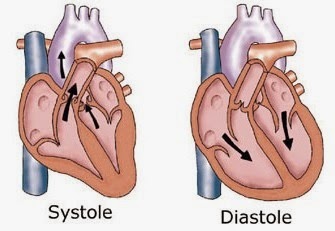
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**5. Një ndër përbërëset e gjakut janë trombocitet.** **Analizoni mënyrën se si mpikset gjaku. 3 pikë**

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**6. Hartoni një tekst shkencor me termat: 3 pikë** *popullatë, ekosistem, komunitet, nivel trofik, prodhues, konsumatorë, rrjetë ushqimore* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7. Emërtoni proceset në figurë. Tregoni proceset që ndodhin në të dyja fotot, duke analizuar lëvizjen e shigjetave.** **5 pikë**

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**8. Plotësoni tabelën. 3 pikë**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Enët | Funksioni | Struktura e murit | Gjatësia e lumenit | Përshtatja strukturë-funksion |
| Arteriet |  |  |  |  |
| Venat |  |  |  |  |

**9. Analizoni ciklin e karbonit dhe krahasojeni me ciklin e ujit. 4 pikë**

**10. Analizoni me anë të skicës elementet që marrin pjesë në sistemin imunitar te njeriu**

**(përgjigja e tretë imunitare). 5 pikë**

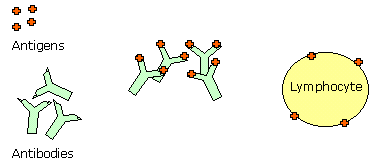
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| PIKËT | 0-7 | 8-12 | 13-16 | 17-20 | 21-24 | 25-28 | 29-30 |
| NOTA | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

**TEST 3**

**Emër/Mbiemër:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1. Verifikoni njohuritë. 1 pikë**

Te barkushet:

****a) presioni i gjakut është më i madh se ai i pranishëm në venula;

b) shpejtësia e gjakut arrin vlerat maksimale;

c) shpejtësia dhe presioni i gjakut tentojnë të zvogëlohen;

d) presioni dhe shpejtësia e gjakut kanë një ecuri në proporcion të zhdrejtë.

**2. Vaksinat, kur injektohen në gjak, shërbejnë**: **1 pikë**

a) si antigjen;

b) si antitrup;

d) si proteina plazmatike;

c) si klone plazmatike.

**3. Bakteret azotofiksuse kanë si funksion:**   **1 pikë**

a) denitrifikimin e nitrateve dhe çlirimin e azotit në atmosferë;

b) sintetizimin e azotit të pranishëm në terrenet ushqyese;

c) dekompozimin e substancave organike të vdekura në kripëra amoni;

d) transformimin e azotit të atmosferës në amoniak dhe pastaj në nitrat amoni.

**4. Përgjigjuni pyetjeve:**

Cili është ndryshimi midis imunitetit aktiv dhe atij pasiv? **1 pikë** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pse kapilarët limfatik kanë valvula? **1 pikë** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cilët janë përbërësit e plazmës? **1 pikë** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cili është burimi i vendndodhjes së tyre? **1 pikë** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5. Hartoni një tekst shkencor me termat: 3 pikë**

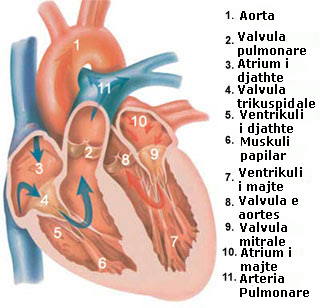
*antitrup, antigjen, limfocite, imunitet aktiv, imunitet pasiv, fagocitoze dhe qeliza të kujtesës*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6. Gjaku ka 4 përbërës. Analizoni transportin e tyre në gjak, duke përcaktuar funksionin kryesor.** **4 pikë**

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**7. Emërtoni foton e paraqitur sipas numrave. Analizoni rrugën e lëvizjes së gjakut në bazë të shigjetave. 5 pikë**

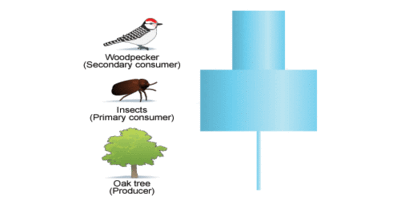
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**8. Plotësoni tabelën. 3 pikë**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Enët | Funksioni | Struktura e murit | Gjatësia e lumenit | Përshtatja strukturë-funksion |
| Arteriet |  |  |  |  |
| Kapilarë |  |  |  |  |

**9. Krahasoni piramidën e numrave me atë të biomasës. Skiconi piramidën e biomasës. 3 pikë**

**10. Analizoni ciklin e azotit dhe krahasojeni me ciklin e ujit. 5 pikë**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| PIKËT | 0-7 | 8-12 | 13-16 | 17-20 | 21-24 | 25-28 | 29-30 |
| NOTA | 4 | 5 | 6 | 7 | 8 | 9 | 10 |