

THE CIRCULATORY SYSTEM

ÈYÀ ÌṢỌN-ÈJÈ

ORGAN SYSTEMS OF THE BODY

ÀWỌN ÈTÒ ÈYÀ-ARA

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| Level of readership | Primary, Secondary, advanced |
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by Fakinlede K

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| The Circulatory system: an organ system that passes nutrients (such as amino acids, electrolytes and lymph), gases, hormones, blood cells, etc. to and from cells in the body to help fight diseases and help stabilize body temperature and pH to maintain homeostasis. | Ètò ìṣọn-ẹjẹ: Ètò èyà-ara tó nṣe ìfíránṣẹ àwọn èròjà bí (***), òyì, oje-ara, pádi ẹjẹ abb. látí àtí lọ sí àwọn pádi ara látí ẹ ikoju ija sí àwọn àrùn àtí látí jẹ kí ìpẹkan ara àtí ìgbóná ara wà ní ifẹṣẹmúlẹ. Ni idi eyi ara yi o wa ni *** |
| Blood Vessels: Tubes that carry blood as it circulates. Arteries bring oxygenated blood from the heart and lungs; veins return oxygen-depleted blood back to the heart and lungs. | Àwọn Ìṣọn ẹjẹ: Àwọn inú òpó tí ẹjẹ tí nṣọn yí ara kaakiri. Àwọn ìṣọn-ẹjẹ àlọ ngbé ẹjẹ olóyi-iná (oxygenated blood) látí ọkàn àtí ẹdọforó; Àwọn ìṣọn-ẹjẹ àbọ nṣe idápadà ẹjẹ alòyi-iná (oxygen depleted blood) lọ sí ọkàn àtí ẹdọforó |
| Arteries: Arteries are muscular blood vessels that carry oxygenated blood away from the heart (except the pulmonary and umbilical arteries). | Àwọn Ìṣọn-ẹjẹ àlọ: Àwọn eléyi jẹ òpó alágbára tó ngbé ẹjẹ olóyi-iná (oxygenated blood) kúrò látí ọkàn (àyàfi ìṣọn are-ẹdọ [pulmonary artery] àtí ìṣọn-ẹjẹ àlọ tí olóbi [umbilical artery]) |
| Veins: Veins are blood vessel channels that carry waste-rich blood back to the lungs | Àwọn ìṣọn-ẹjẹ àbọ jẹ àwọn ìṣọn tó ngbé ẹjẹ tó kún fún ẹgbín-ara padà |

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| and heart. | lọ sí ọkàn àti ẹdọforó |
| Capillaries: Capillaries are very thin, fragile blood vessels that receive oxygen-rich blood from arteries, exchange oxygen and carbon dioxide and then deliver the waste-rich blood to the veins. | Àwọn òpó-ẹjẹ jẹ àwọn òpó tinrin-tinrin tí wọn ngba ẹjẹ tó kún fún òyì-iná (oxygen) láti ọwọ àwọn ìsọn-ẹjẹ àlọ. Wọn a sì ẹ pàṣipààrọ òyì-iná yì pẹlú òyì-èédú (Carbon dioxide). Wọn a sì ẹ ifiránṣẹ ẹjẹ tó kún fún ẹgbín sí àwọn ìsọn-ẹjẹ àbọ |

VOCABULARY / ÌTÚMỌ – ỌRỌ

| English | Yorùbá | English | Yorùbá |
|--------------------|-------------------|-----------------|-----------------|
| Circulatory system | Ètò ìsọn-ẹjẹ | Blood corpuscle | Pádi ẹjẹ |
| Artery | Ìsọn-ẹjẹ àlọ | Capillary | Òpó-ẹjẹ |
| Vein | Ìsọn-ẹjẹ àbọ | Nutrients | Èròjà, Ìjeṣemun |
| Arterial blood | Ẹjẹ àlọ | Gas | Òyì |
| Venous blood | Ẹjẹ àbọ | Hormones | Ojera (oje ara) |
| Systole | Ìgbà ìsọkì (ọkàn) | Lymph | Omira (omi ara) |
| Diastole | Ìgbà ifera (ọkàn) | Electrolytes | |
| Blood | Ẹjẹ | Cell | Pádi |
| Blood capillaries | Àwọn òpó ẹjẹ | Temperature | Ìgbóná |
| Blood circulation | Ìsọnyíkà ẹjẹ | pH | Ìpekan |
| Blood coagulation | Ẹjẹ dídì | Blood vessels | Ìsọn ẹjẹ |

COMPONENTS AND FUNCTIONS OF BLOOD

ÀWỌN OHUN-INÚ ÀTI IṢÉ ÈJÈ

| ENGLISH | YORUBA |
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| <p>Plasma or serum (the fluid part of blood):</p> <p>1. For transportation of vital substances around the body</p> <p>2. For transporting dissolved gases</p> | <p>Oje-ẹjẹ:</p> <p>1, Fún àgbéká àwọn èròjà kòṣeémáni yí ara ka. 2.</p> <p>2.Fún àgbéká àwọn òyì tó ti yọ sínú oje-ẹjẹ</p> |
| <p>Red blood cell (Erythrocyte)</p> <p>For transportation of oxygen and carbon(IV) oxide</p> | <p>Pádi-ẹjẹ pupa:</p> <p>Fún àgbéká òyì-iná(oxygen) àti òyì-eeḁu (carbon [IV] oxide)</p> |
| <p>White blood cell (Leucocyte):</p> <p>For defending the body by fighting any disease that enters the body</p> | <p>Pádi-ẹjẹ funfun:</p> <p>Fún ìgbèjà ara nípa bíbá àwọn ẹḁá-afàisàn tó bá wọ inú ara jà</p> |
| <p>Platelets or thrombocytes:</p> <p>clotting of For blood and healing of wounds</p> | <p>Adèépá ẹjẹ (dì èépá: become clots):</p> <p>Fún díḁa èépá àti láti máa mú egbò sán</p> |

ETO ISON EJE - DIAGRAM

