

ヒト生物学I 本試験 ⑤ 2007(H19). 7. 30

学籍番号 _____ 氏名 _____

Choose a number of a suitable term in each description. (小池, 計10点)

- (1) B lymphocytes protect human by producing (A). ^{antibodies}
- (2) (B) in red blood marrow produce red blood cells, white blood cells and thrombocytes. ^{hematopoietic stem cells}
- (3) When the oxygen capacity of the blood is decreased, (C) release increased amounts of erythropoietin. ^{kidneys}
- (4) (D) deriving from monocytes phagocytize pathogens, old cells and cellular debris in the tissues. ^{macrophages}
- (5) (E) is defined when the blood has too few red blood cells and/or not enough hemoglobin. ^{anemia}
- (6) (F) facilitates exchange of molecules between capillaries and tissues. ^{osmotic pressure}
- (7) Albumin transports (G), a breakdown product of hemoglobin. ^{bilirubin}
- (8) At a capillary, oxygen, glucose and (H) leave the arterial end. ^{hemolytic disease}
- (9) The possibility of (I) of the newborn exists, when the mother is Rh(-) and the father is Rh(+).
- (10) When a blood clot occurs, fibrinogen is converted to (J). ^{fibrin}

1. amino acids, 2. anemia, 3. antibodies, 4. bilirubin, 5. fibrin, 6. hematopoietic stem cells, 7. hemolytic disease, 8. kidneys, 9. macrophages, 10. osmotic pressure

(A) 3, (B) 6, (C) 8, (D) 9, (E) 2
(F) 10, (G) 4, (H) 1, (I) 7, (J) 5