

Review for blood and lymphatic test

1. What are the blood components and formed elements?

plasma (H₂O, O₂, CO₂, waste, nutrients) }
formed elements (RBC, WBC, platelets, hormones, etc.)

2. What is the function of RBC?

↳ carry O₂ + CO₂

3. What part of the RBC makes blood red?

hemoglobin

4. What are the 2 functions of WBC?

immunity (engulfing antigens (phagocytosis), antibody production)

5. What is the function of antibodies?

↳ neutralize antigens

6. Explain how the body will fight a cold?

specific immune response } antibody production
↑ body T_o

7. What is a vaccination?

↳ injection of dead or weakened virus to build immunity

8. What is the function of vaccinations?

↳ eradicate disease/sickness

9. What is a booster shot? 2nd or 3rd

↳ shot given to ~~make~~ ensure WBC still "remember" which antibody to produce

10. What 2 ways can someone become immune to a disease?

↳ naturally (getting the antigen)
↳ vaccination

11. What is the function of platelets?

clotting

12. What is the function of plasma?

transport of blood constituents (O₂, CO₂, nutrients) and formed elements

13. What are the three types of antigens which exist for blood types?

A B Rh

14. How is a person's blood type acquired?

~~antigen~~ hereditary (parent to child)

15. Why is O- the universal donor and AB+ the universal recipient?

↓ blood no antigens ↓ blood no antibodies

16. Why can a - give to a +, but a + can not give to a -?

because a - has no Rh protein on its RBC but it has the anti-Rh in its blood

17. Who can A- donate and receive from?

A- AB- A-
A+ AB+

18. Who can B+ donate and receive from?

B+ B- B+
AB+ O+ O-

19. Who can AB- donate and receive from?

AB- all -
AB+

20. Who can O+ donate and receive from?

~~all +~~ all + O- O+

21. What is a person's blood type if they can receive from A-, AB-, B- and O- and donate to AB- and AB+?

AB-

22. When does agglutination occur?

bad transfusion

→ blood antibody coagulates with blood antigens

23. If a person has agglutination with Anti A, Anti B but not Rh, what is their blood type?

AB-