

Biology



CLASS- 5

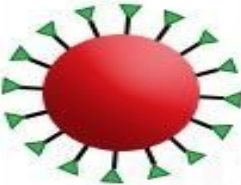
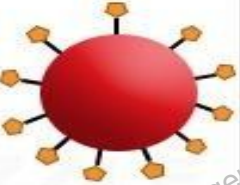

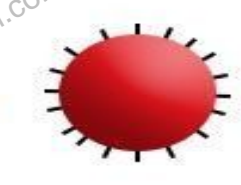








Which one of the following statements best describes the role of B cells and T cells in the human body?

- (a) They protect the body from environmental allergens.
- (b) They alleviate the body's pain and inflammation.
- (c) They act as immunosuppressants in the body.
- (d) They protect the body from the diseases caused by pathogens

Blood groups



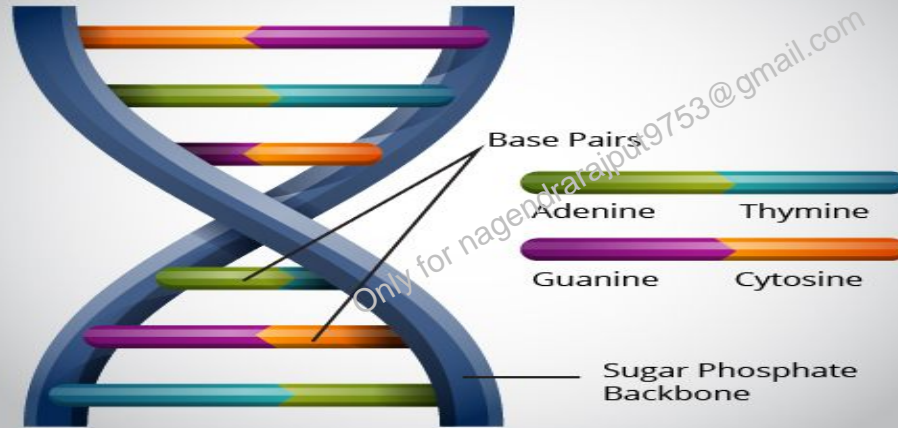
	Group A	Group B	Group AB	Group O
Red blood cell type				
Antibodies in Plasma	 Anti-B	 Anti-A	None	 Anti-B and Anti-A
Antigens in Red Blood Cell	 A antigen	 B antigen	 A and B antigens	None



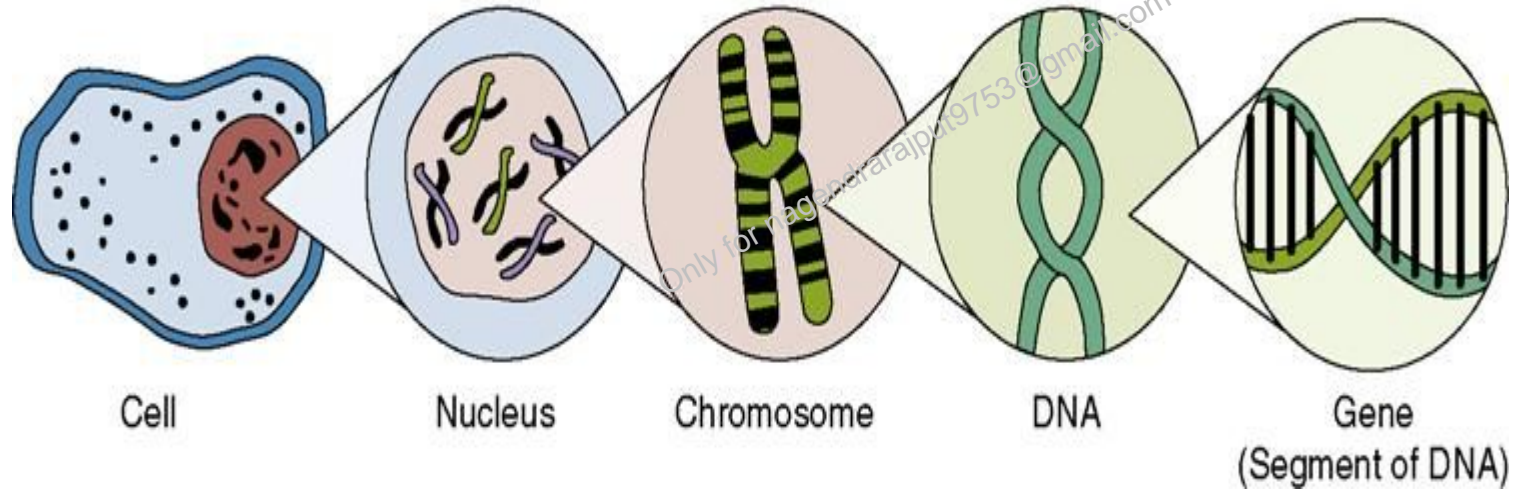
A man whose blood group is not known meets with a serious accident and needs blood transfusion immediately. Which one of the blood groups mentioned below and readily available in the hospital will be safe for transfusion?

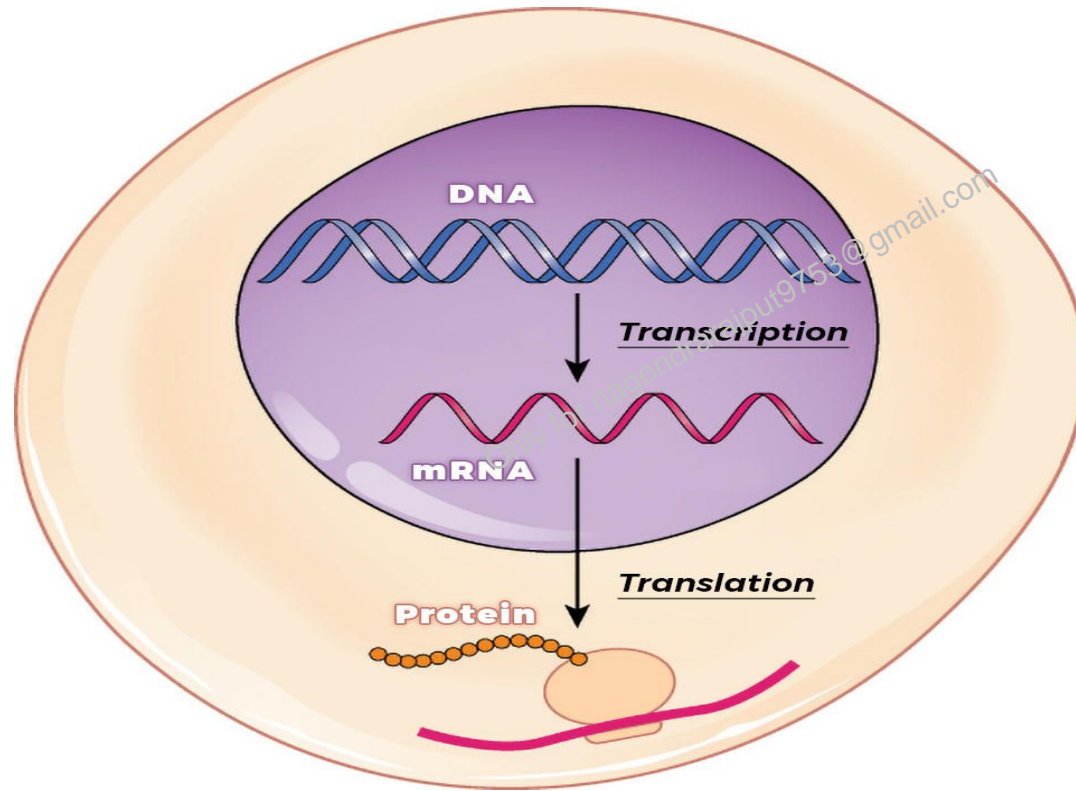
- (a) O, Rh–
- (b) O, Rh+
- (c) AB, Rh–
- (d) AB, Rh+

DNA Structure



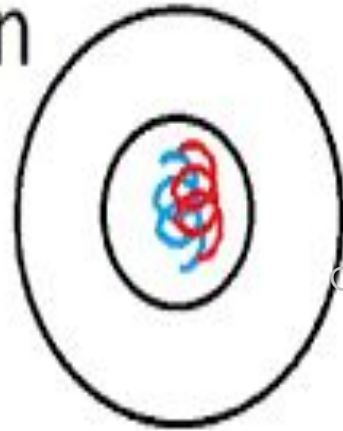
INSIDE THE CELL





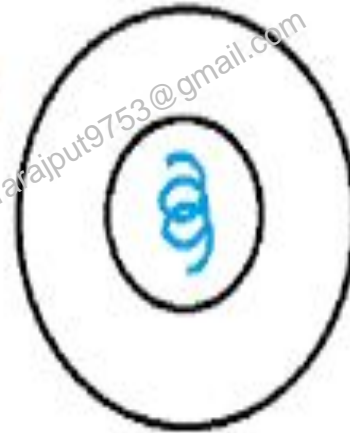
DIPLOID CELL

$2n$



HAPLOID CELL

n



Only for nagendrarajput9753@gmail.com

Homologous Chromosomes



1



2



3



4



5



6



7



8



9



10



11



12



13



14



15



16



17



18



19



20



21



22



X Y

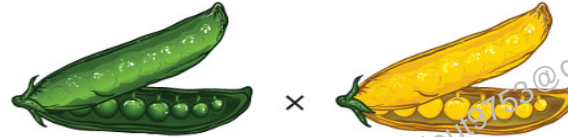


X X

Shown here are human chromosomes

Mendel's Experiments

P Generation



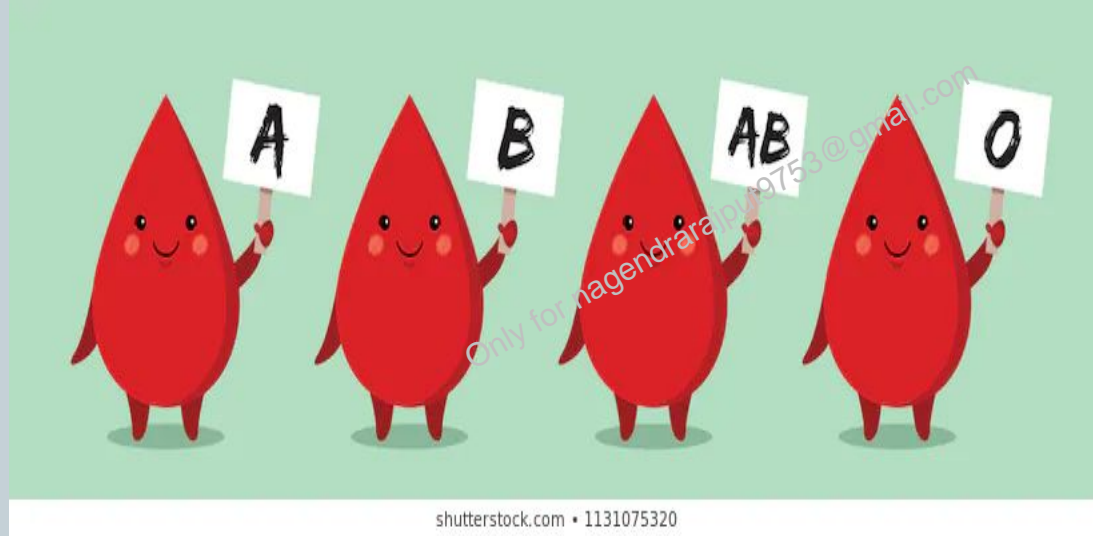
F₁ Generation



F₂ Generation



Blood group inheritance





A married couple adopted a male child. A few years later, twin boys were born to them. The blood group of the couple is AB positive and O negative. The blood group of the three sons is A positive, B positive, and O positive. The blood group of the adopted son is

- A) O positive B) A positive
- C) B positive D) Cannot be determined on the basis of the given data

IVF PROCESS

