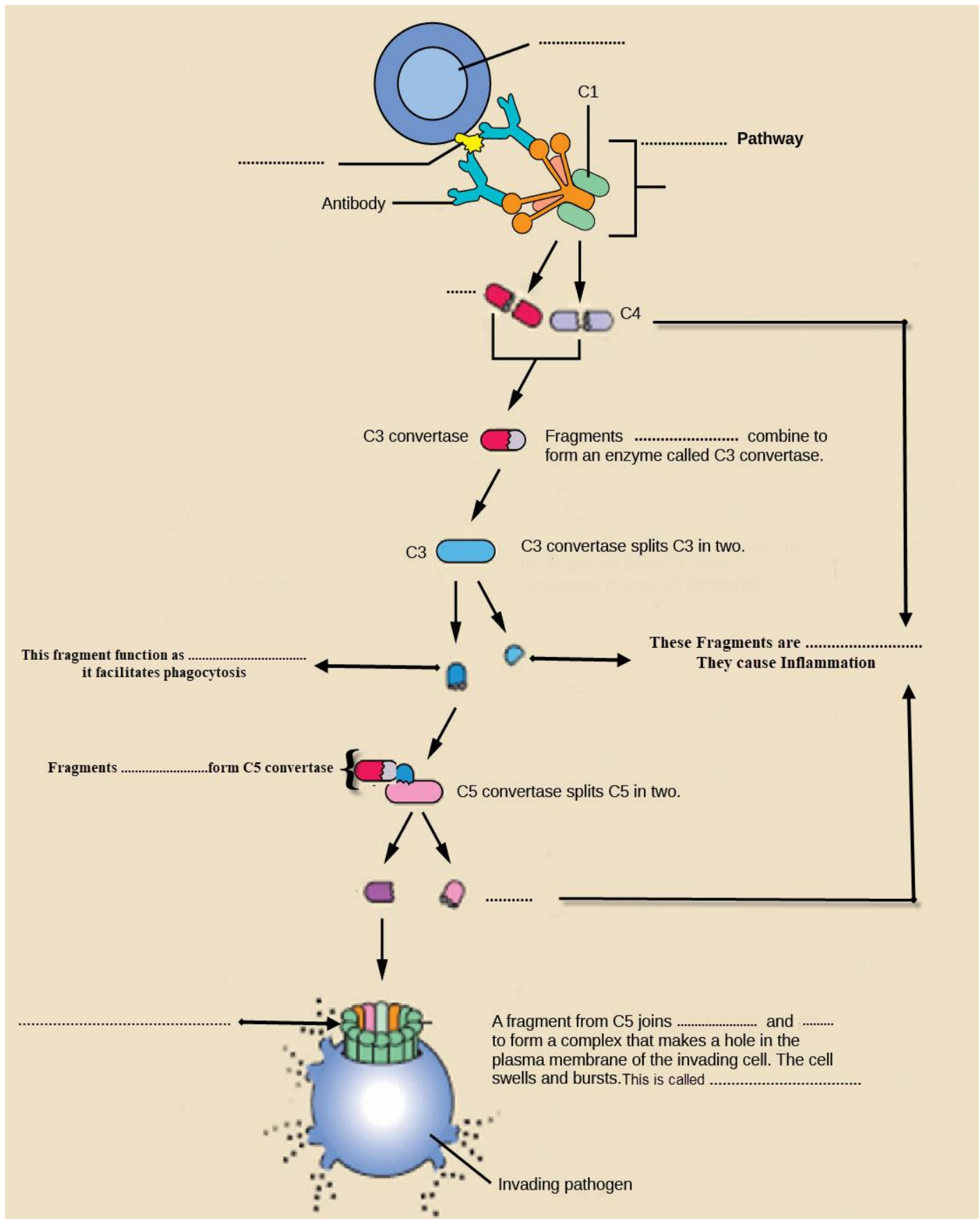


Immunology English Practical Session 4

Exercise 1: Complete the following figure



Exercise 2: Complete the following table

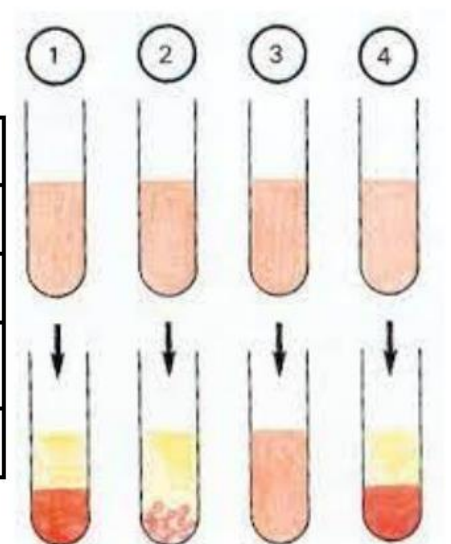
	Classical Pathway	Lectin Pathway	Alternative pathway
Triggering event			
Activating proteins			
C3 Convertase			
C5 Convertase			
MAC			

- What are the biological consequences of Complement activation?

Exercise 3: Four hemolysis tubes are prepared with sheep red blood cells in a saline solution. Different compounds are added before incubation at 37°C. After 2 hours, the following results are observed:

Figure 3-10

Tubes	Contenu	Résultat
1	NaCl 0,9 %	Sedimentation
2	Rabbit antibodies Anti-SRBC	Agglutination
3	Rabbit antibodies Anti-SRBC + rat Complement	Hemolysis
4	Rat Complement	Sedimentation



1. What can be concluded from the results obtained in tubes 2, 3, and 4?
2. What conclusion can you draw regarding the role of antibodies and complement? Which complement activation pathway is involved in this experiment?
3. In this experiment, rabbit antibodies and guinea pig complement are used. What properties of the complement system are demonstrated?