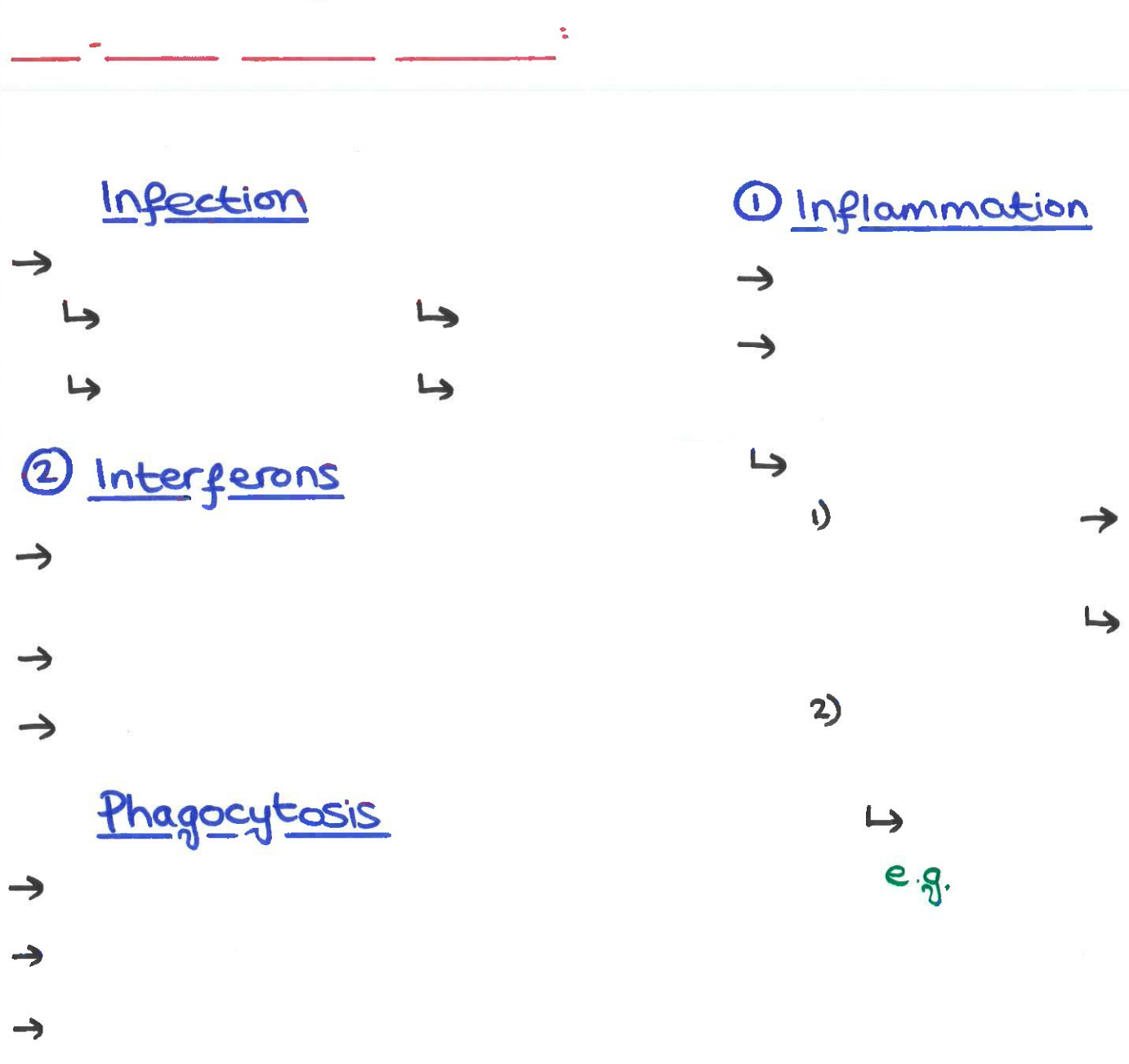




# Non-Specific Immune Response

- 1
- 2
- 3
- 4
- 5

Non-specific  
immune response





# The Immune System & Phagocytosis

Antigens



1)

2)

3)

4)

Pathogen



Phagocyte

## The Immune Response:

①

③

②

④

## Phagocytosis:

Phagocytic  
Vacuole



→ 1)

2)

3)

4)



# The Immune System

TT  
T<sub>H</sub> Cells

② T-cells (T-Lymphocytes)

→

T<sub>C</sub> Cells

→ Types 1)  
2)

→  
→

③ B-Cells (B-Lymphocytes)

Antibodies

\_\_\_\_\_ :

→

Antigen-Antibody  
Complex

→

→

→

Plasma Cells

\_\_\_\_\_ :

Clonal Selection

④ Plasma Cells

\_\_\_\_\_ :

Monoclonal  
antibodies

→

→

Agglutination

→

→



# The Immune System: Antibodies & Primary + Secondary Response

## The Structure of an Antibody



## Primary Response



## Secondary Response





# Vaccines & Antigenic Variability.

Vaccine



Herd Immunity



## Antigenic Variability.



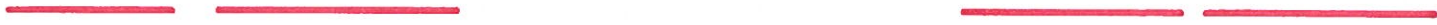


TT

Active Immunity

# Active and Passive Immunity

1 2 3 4 5



Natural →

Natural →

Passive Immunity

Artificial →

Artificial →

↳

→

→

→

→

→

↳

→

→

→



# One Gene can Code for More than 1 Protein

I 2 3 4 5

