

Name: _____

Date: _____

humoral immune system

G N I T N E S E R P N E G I T N A P T R G U F Z
N E O M S T J M T Q I K O F I D F N X D L E A J
T I R I T R E P L E H F U D K M R E T C Z D W K
D U K R T U S O Y X W S E P S R K U F J N I A N
X X D U M A K T A Q E S X I F R N T Z R Y B L X
C S W T E E R X P I C H A H K C L R S I U R P Z
N O H A O L D E D D H F M Q W R N A P U J O L X
B D A U V C R O F D Q E L K T L X L T D T T M Y
T Y K T L S B E C I M N V S B F C I E B K C B N
F R B W Y I R K T O L J J H A I F S O O O E Q O
G S C G T Y G P R N Z O F P P N J A I N K F Y I
D N U N T L C Y I F I O R S C X T T S A C F I T
O L A F N J B I P U V Q H P B J R I J S I E V A
U E F M H C D A G L K V U A E R U O G H F Q C I
L Z M Z E G T A V T S P M T O R G N N E U A C T
Y X O L K H V G V F E F O L F R E X P U N H M N
S M L W O R K E L Y N Y R N R K H A W P W S O E
C S F G K B V S I Y I H A J C T J L A T Q E R R
N Z E C K C L Z N H K C L P L A S M A C E L L E
C N B W P D P C C D O C L W L D A P C O G R D F
V L E Q V H D J H E T O K Y V X D N G G U C Q F
R Q D W I M M U N E Y R R V K F F J Q M H E E I
B V K G K C E Z R E C E G W V D B P S Z H U Q D
G A N Z F M I W Y A A K P V N J G V K J W K L G

Antigen presenting

Memory B cells

Interleukin

Cytokines

Helper t

Differentiation

Proliferation

Antibodies

Pathogen

Humoral

Neutralisation

Plasma cell

Effector b

Antigens

Immune