ID	
1	Dendritic cell
2	Fragment of cell
3	Immunosupresant
4	Cytokines
5	DC in place of inflammation
6	exogenous antigen
7	Early endosom
8	Proton pump
9	Late endosom
10	protease
11	protease
12	protease
13	protease
14	protease
15	Antigen after processing
16	MHC class II
17	CLIP protein
18	Complex MHC II + antigen
19	DC with complex MHC II + antigen on its surface
21	Endogenous antigen
22	Antigen absorption
23	Antigen in cytoplasm
24	Ubiquitin
25	Protein with ubiquitin
26	Proteasome
27	Peptides
28	TAP protein
29	Complex antigen + TAP
30	Chaperone proteins
31	MHC class I
32	Complex MHC I + antigen
33	Lymphocyte Th
34	Dendritic cell with MHC II complex
35	Complex MHC II + antigen and molecules CD80/86 on dendritic cell's surface
36	TCR receptor on Th cell's surface

37	Molecule CD28
38	Th in state of anergy
39	Lymphocyte Th0
40	Cytokine IL-12
41	Cytokine INF-gamma
42	Cytokine IL-4
43	Th1
44	Dendritic cell
45	Lymphocyte Tc
46	Complex MHC I + antigen and molecules CD80/86 on dendritic cell's surface
47	TCR receptor on Tc cell's surface
48	Molecule CD28
49	Initially activated Tc
50	Activated Tc
51	Proliferative Tc
52	Perforin
53	Granzymes
54	Receptor FasL
55	Cytokine IL-2
56	Cytokine INF-gamma
57	Antigen
58	Infected body cell
59	Body cell
60	Perforin
61	Granzymes
62	Receptor FasL
63	Complex MHC I + antigen
64	Active Tc
65	New Tc cells
66	pre-B
67	Lymphocyte B with IgM and IgD receptors
68	Antibody IgM
69	Antibody IgD
70	B producting antibodies
71	Antigen
72	B presenting antigen
73	Th2

74	Receptor TCR
75	Molecule C154
76	B producting other antibodies
77	Other antibodies: IgG or IgE or IgA
78	Connection of antigen and receptor
79	Antigen that is dividing
80	Endogenous antigen
81	HIV
82	Ciclosporin
83	Lymphocyte Th, that can't produce cytokines
84	Recognision
85	Infection of HIV
86	Infection of other viruss
87	Macrophage
88	IL-1
89	IL-6
90	TNF-α
91	Active Th2
92	IL-4
93	IL-5
94	IL-13
95	IL-10
96	Macrophage which produces cytokines
97	Cellular response
98	Humoral response

ID	
1	Recieiving signals of danger
2	Recieiving signals of danger
3	Endocytosis of endogenous antigen
4	Endocytosis of exogenous antigen
5	Absorption
6	pH decreasing
7	Processing of proteases
8	Activation of protease
9	Activation of protease

10	Activation of protease
11	Activation of protease
12	Activation of protease
13	Disconnection
14	Connection of antigen and MHC II
15	Absence of reaction beetwen MHC II and antigen
16	Transport to cell's surface
17	Infection
18	Ubiquitination
19	Proteolysis
20	Complete degradation
21	Transport of antigen
22	Connection of antigen and MHC I
23	Transport to cell's surface
24	Absence of reaction beetwen MHC I and antigen
25	Division
26	Suitable molecules are present on cell's surface
27	Suitable molecules are present on cell's surface
28	Suitable molecules are present on cell's surface
29	Connection of receptors without activation (only 1 signal)
30	Connection of receptors and activation (2 signals)
31	Th cell's stimulation and proliferation
32	Th cell's stimulation and proliferation
33	Cytokines production
34	Cytokines production
35	Suitable molecules are present on cell's surface
36	Suitable molecules are present on cell's surface
37	Suitable molecules are present on cell's surface
38	Connection without activation (only 1 signal)
39	Connection and activation (2 signals)
40	Continued activation
41	Degranulation
42	Receptor activation
43	Induction of apoptosis
44	Induction of apoptosis
45	Cytokines production
46	Proliferation

47	Degranulation
48	Receptor activation
49	Antigen presentaion
50	Activation
51	Development of antigen
52	Infection
53	New body cell
54	Induction of apoptosis
55	Induction of apoptosis
56	Death of cell
57	Baturation of lymphocyte B
58	IgM production
59	IgD production
60	Binding of antigen by antibody
61	Binding of antigen by antibody
62	Unidentified antigen
63	Identified antigen
64	Binding of antigen by antibody
65	Th2 doesn't recognise antigen
66	Th2 recognises antigen
67	Suitable molecules are present on cell's surface
68	Suitable molecules are present on cell's surface
69	Arrival of antigen Arrival of antigen
70	Antibodies production
71	No activation
72	No activation
73	Virus infection
74	Action of Immunosuppressive drug
75	New Th limfocyte arrives
76	New Tc limfocyte arrives
77	New B limfocyte arrives
78	Development of HIV
79	Induction of apoptosis
80	Induction of apoptosis
81	Phagocytosis
82	Phagocytosis
83	Production of cytokine

84	Production of cytokine
85	Production of cytokine
86	Death of macrophage
87	Production of cytokines
88	Activation of B cell
89	Death of B cell
90	Production of antibodies
91	Production of antibodies
92	Production of cytokines
93	Activation
94	Activation
95	Disactivation
96	Death of cell
97	Cytokine production
98	Death of DC cell