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Appendix

Example of question included in the worksheet (From the Immunology curriculum, Republic Polytechnic, 2009 – 2010)

In the previous problems, we have learnt about the structure and function of various antibodies. One important function of some classes of antibody is to activate the complement system. The complement system consists of a cascade of proteins, which eventually leads to lysis of the foreign invader. One of the functions of complement is to aid in opsonisation of foreign invaders, together with antibodies.

- a. What does the term 'opsonisation' mean?
- b. Other than opsonisation and complement, there is also another approach that antibodies use to participate in host defense, which is neutralization. Using the table below, compare and contrast the three different approaches.

	Opsonisation	Complement	Neutralization
Similarities			
Differences			

- c. As mentioned earlier, one of the functions of complement is to aid in opsonisation of foreign invaders (e.g. bacteria). The mind map below shows the various biological functions of complement. Fill in the blanks.

