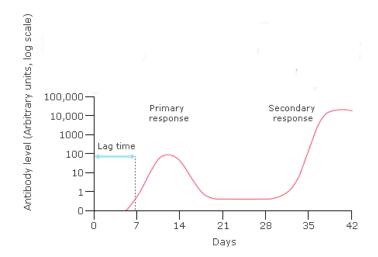
## Treatment of disease

## Reading: pages 47-49 higher & foundation

- 1. What is in a vaccine?
- 2. Complete the table to show pros and cons for vaccines:

Auvantages	Disduvantages
3. Which group of microbes can antibiotics kill?	
4. Where do many drugs come from initially?	
5. What is a placebo?	
6. What is the first stage in testing a new drug?	
7. What does the MMR vaccine protect against?	
8. What is MRSA?	
9. What is a 'double blind' trial?	
10. What does the term 'efficacy' of a drug mean?	
<u>Application</u>	
1. Explain why antibiotics cannot be used to treat v	riral infections like measles.
2. Antibiotic-resistant strains of bacteria are causin	g problems in most hospitals.
Explain, as fully as you can, how antibiotic resistant evolved.	strains of bacteria, such as MRSA, have

## 3. Look at the graph below:



a) what do you think is nappening during Tag time ?
b) Compare the primary response with the secondary response
c) Why is the secondary response so much quicker than the primary one?
E. Complete the table:

## 5. Complete the table:

Stage in drug development	Reason
Tested in lab on cells and tissues	
Tested on mammals like rats & monkeys	
Tested on healthy volunteers	
Tested on small number of patients	
Tested on large number of patients	