

# GCSE

**BIOLOGY A** 

Biology A Unit 3 Ideas in Context plus B7

Pre - release Material

To be opened immediatelyFor issue to candidates on or afterDATEMARCHYEAR



This version is for FOUNDATION tier candidates who will be entered for A223/01.

Sufficient time should be allowed for study of the material in the classroom.

### **INSTRUCTIONS TO CANDIDATES**

- Take the article and read it through carefully. Spend time looking up any technical terms or phrases you do not understand. You are **not** required to do more research of your own on this topic.
- For the examination you will be given a fresh copy of this article, together with the question paper. You will not be able to take this original copy into the examination with you.

## Is 'Bird Flu' coming our way?

What is bird flu?	The Government plan for bird flu		
Bird flu was thought only to infect birds until the first human cases were seen in	In a normal year between 12 000 and 18 000 people die in Britain from normal flu.		
Hong Kong in 1997. Humans can catch the disease through close contact with live infected birds.	The British government have started preparing for an epidemic of modified bird flu.		
Flu produces symptoms which are similar to other types of flu such as fever, sore throats and coughs.	They have produced a plan to buy 14.6 million courses of an antiviral drug called Tamiflu.		
The World Health Organisation said that, by the end of January 2005, there had been 55 confirmed cases of bird flu and 42	Experts say that the government should order supplies of the vaccine against the normal bird flu that is present in Asia.		
deaths in Asia. There are signs that bird flu can be passed	Of course this might not work against a modified bird flu virus.		
from person to person.	Another difficulty at the moment is that the main vaccine factory in Britain has been having problems. It was closed for a while because microorganisms were contaminating the vaccine.		
In Thailand a girl who had the disease may have passed the virus to her mother. They			
both died. The girl's aunt, who was also infected, survived the virus.			
Fortunately the normal virus only seems to pass to close relatives and spreads no further.			
	Animal-rights protesters have also been targeting the factory.		

### 1



#### How serious is the threat?

	number of people who will die in Britain		
death rate %	if 10% are infected	if 25% are infected	if 50% are infected
1.0	56 700	141 800	283 700
1.5	85 100	212 800	425 500
2.0	141 800	354 600	709 300