
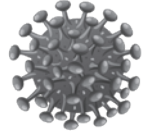




1 1 a 2 b 3 b 4 c 5 a 6 c

2

|                              |   |  |  |   |
|------------------------------|---|--|--|---|
|                              |  |   |  |  |
| <b>Name of virus</b>         | Influenza   | HIV  | Ebola  | COVID-19  |
| <b>First appeared</b>        |   | Democratic Republic of Congo in 1920   | In Guinea in 2013  | In Wuhan Province in China in December 2019   |
| <b>Transmitted</b>           | Person to person  | Through unprotected sex or by sharing drug equipment                               | Through blood, urine, faeces, vomiting or unprotected sex                          | Person to person  |
| <b>Main symptoms</b>         | Fever, no energy, dry cough, backache, headache, nausea, vomiting                 | Rash, fever and chills, losing weight, diarrhoea, and it affects the immune system | Fever, muscle pain, headaches, sore throat, diarrhoea, vomiting and a rash         | Fever, dry cough, muscle pain, headaches and breathing problems                     |
| <b>Groups badly affected</b> | Pregnant women  | Gay men, haemophiliacs and drug addicts  | Women  | People who are older, already have health problems or are overweight                |
| <b>Incubation period</b>     | 1–4 days  | 2–6 weeks  |  | 2–14 days   |

- 3
- 1 Queen Elizabeth I; smallpox
  - 2 Winston Churchill; Spanish flu
  - 3 Frida Kahlo; polio
  - 4 Freddie Mercury; HIV/AIDS
  - 5 Igor Stravinsky; Spanish flu and tuberculosis

4 **Model answers:**

- 1 A smallpox vaccine was developed in England in 1796 by Edward Jenner.
- 2 A rabies vaccine was developed a hundred years later in France by Louis Pasteur.
- 3 A way to create a polio virus in a laboratory was discovered by Enders, Weller and Robbins.
- 4 Two polio vaccines were developed by Jonas Salk and Albert Sabin in the US.
- 5 The MMR vaccine against measles, mumps and rubella was developed in 1969.

**5 Model answers:**



**Name:** Françoise Barré-Sinoussi  
**Born in:** France  
**Work:** in Africa and France; she discovered that AIDS is transmitted by the HIV virus  
**Awards:** Nobel Prize and French Légion d'honneur



**Name:** Professor Gita Ramjee  
**Born in:** Uganda  
**Work:** in South Africa; she tried to prevent women catching HIV  
**Awards:** special prize for an Outstanding Female Scientist  
**Died:** 2020



**Name:** June Almeida  
**Born in:** Scotland  
**Work:** in Canada; she developed a technique to identify viruses under a microscope, identified the coronavirus and produced pictures of HIV  
**Awards:** None  
**Died:** 2007

**6** 1 Avian    2 Black    3 Canine    4 Chicken    5 Cow    6 German    7 Spanish    8 Yellow

**7** 1 antibodies    2 anti-vaxxers    3 immune    4 effects    5 infection    6 diagnosed

**8a** 1 being sick                      2 blocked nose                      3 breathing problems                      4 headache  
 5 mild fever                      6 skin rash                      7 sore throat                      8 swollen glands

**8b** *Reader's own answers.*

**9** *Reader's own answer.*