

**36** Infectious diseases may be caused by bacteria, protoctists and viruses. Different pathogens may be transmitted by airborne droplets, from faeces to mouth (faecal-oral), by sexual intercourse and by vectors.

Four examples of infectious diseases are listed.

- 1 cholera
- 2 HIV/AIDS
- 3 malaria
- 4 tuberculosis

Which table classifies the four diseases correctly to show the type of pathogen that causes the disease and the mode of transmission?

**A**

|             | bacterium | protoctist | virus |
|-------------|-----------|------------|-------|
| droplet     |           |            | 2     |
| faecal-oral | 1         |            |       |
| sexual      |           | 3          |       |
| vector      |           |            | 4     |

**B**

|             | bacterium | protoctist | virus |
|-------------|-----------|------------|-------|
| droplet     |           | 2          |       |
| faecal-oral | 1         |            |       |
| sexual      |           |            | 3     |
| vector      |           | 4          |       |

**C**

|             | bacterium | protoctist | virus |
|-------------|-----------|------------|-------|
| droplet     | 4         |            |       |
| faecal-oral | 1         |            |       |
| sexual      |           |            | 2     |
| vector      |           | 3          |       |

**D**

|             | bacterium | protoctist | virus |
|-------------|-----------|------------|-------|
| droplet     | 3         |            |       |
| faecal-oral |           | 2          |       |
| sexual      | 1         |            |       |
| vector      |           |            | 4     |