



PART 4 Questions 31–40

Complete the notes below.

Write **ONE WORD ONLY** for each answer.



Listening test audio

Bird Migration Theory

Most birds are believed to migrate seasonally.

Hibernation theory

- It was believed that birds hibernated underwater or buried themselves in 31
- This theory was later disproved by experiments on caged birds.

Transmutation theory

- Aristotle believed birds changed from one species into another in summer and winter.
 - In autumn he observed that redstarts experience the loss of 32 and thought they then turned into robins.
 - Aristotle's assumptions were logical because the two species of birds had a similar 33

17th century

- Charles Morton popularised the idea that birds fly to the 34 in winter.

Scientific developments

- In 1822, a stork was killed in Germany which had an African spear in its 35
- previously there had been no 36 that storks migrate to Africa
- Little was known about the 37 and journeys of migrating birds until the practice of ringing was established.
 - It was thought large birds carried small birds on some journeys because they were considered incapable of travelling across huge 38
 - Ringing depended on what is called the 39 '' of dead birds.
- In 1931, the first 40 to show the migration of European birds was printed.