PART 4 *Questions 31–40*

Complete the notes below.

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



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.

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