

## SECTION 4      Questions 31–40

Complete the notes below.

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

### Effects of urban environments on animals

#### Introduction

Recent urban developments represent massive environmental changes. It was previously thought that only a few animals were suitable for city life, e.g.

- the 31 ..... – because of its general adaptability
- the pigeon – because walls of city buildings are similar to 32 .....

In fact, many urban animals are adapting with unusual 33 .....

#### Recent research

- Emilie Snell-Rood studied small urbanised mammal specimens from museums in Minnesota.
  - She found the size of their 34 ..... had increased.
  - She suggests this may be due to the need to locate new sources of 35 ..... and to deal with new dangers.
- Catarina Miranda focused on the 36 ..... of urban and rural blackbirds.
  - She found urban birds were often braver, but were afraid of situations that were 37 .....
- Jonathan Atwell studies how animals respond to urban environments.
  - He found that some animals respond to 38 ..... by producing lower levels of hormones.
- Sarah Partan's team found urban squirrels use their 39 ..... to help them communicate.

#### Long-term possibilities

Species of animals may develop which are unique to cities. However, some changes may not be 40 .....