SECTION 4 *Questions 31–40*

Complete the notes below.

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

The effects of environmental change on birds

Mercury (Hg)

- Highly toxic
- Released into the atmosphere from coal
- In water it may be consumed by fish
- It has also recently been found to affect birds which feed on **31** .....

Research on effects of mercury on birds

- Claire Varian-Ramos is investigating:
  - the effects on birds' **32** ..... or mental processes, e.g. memory
  - the effects on bird song (usually learned from a bird's **33** .....)
- Findings:
  - songs learned by birds exposed to mercury are less **34** .....
  - this may have a negative effect on birds' **35** .....
- Lab-based studies:
  - allow more **36** ..... for the experimenter

Implications for humans

- Migrating birds such as **37** ..... containing mercury may be eaten by humans
- Mercury also causes problems in learning **38** .....
- Mercury in a mother's body from **39** ..... may affect the unborn child
- New regulations for mercury emissions will affect everyone's energy **40** .....

LIVEWORKSHEETS