

**SECTION 4      Questions 31–40**

Complete the notes below.

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

## Noise in Cities

Past research focused on noise level (measured in decibels) and people's responses.

### Noise 'maps'

- show that the highest noise levels are usually found on roads
- do not show other sources of noise, e.g. when windows are open or people's neighbours are in their **31** .....
- ignore variations in people's perceptions of noise
- have made people realize that the noise is a **32** ..... issue that must be dealt with

### Problems caused by noise

- sleep disturbance
- increase in amount of stress
- effect on the **33** ..... of schoolchildren

### Different types of noise

Some noises can be considered pleasant e.g. the sound of a **34** ..... in a town

To investigate this, researchers may use methods from **35** ..... sciences e.g. questionnaires

### What people want

Plenty of activity in urban environments which are **36** ..... , but also allow people to relax

But architects and town planners

- do not get much **37** ..... in acoustics
- regard sound as the responsibility of engineers

### Understanding sound as an art form

We need to know

- how sound relates to **38** .....
- what can be learnt from psychology about the effects of sound
- whether physics can help us understand the **39** ..... of sound

Virtual reality programs

- advantage: predict the effect of buildings
- current disadvantage: they are **40** .....