

## PART 4 Questions 31–40

Complete the notes below.

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

### Space Traffic Management

#### A Space Traffic Management system

- is a concept similar to Air Traffic Control, but for satellites rather than planes.
- would aim to set up legal and 31 ..... ways of improving safety.
- does not actually exist at present.

#### Problems in developing effective Space Traffic Management

- Satellites are now quite 32 ..... and therefore more widespread (e.g. there are constellations made up of 33 ..... of satellites).
- At present, satellites are not required to transmit information to help with their 34 .....
- There are few systems for 35 ..... satellites.
- Small pieces of debris may be difficult to identify.
- Operators may be unwilling to share details of satellites used for 36 ..... or commercial reasons.
- It may be hard to collect details of the object's 37 ..... at a given time.
- Scientists can only make a 38 ..... about where the satellite will go.

#### Solutions

- Common standards should be agreed on for the presentation of information.
- The information should be combined in one 39 .....
- A coordinated system must be designed to create 40 ..... in its users.