

Q12 In which of the regions listed in the key for Q11 to Q13 are most dust particles *created*? Pencil across *one* cell in row 12.

Q13 In which *three* of the regions listed in the key for Q11 to Q13 are most dust particles now *found*? Pencil across *three* cells in row 13.

Q14 Which *two* of the types of radiation listed in the key cannot penetrate a dense cloud?

KEY for Q14.

- A Cosmic rays
- B Microwaves
- C Infrared radiation
- D Visible radiation
- E Ultraviolet radiation

Pencil across *two* cells in row 14.

PART C: FEEDBACK QUESTIONS (NOT ASSESSED)

In July 1996 a major international conference on astronomy education is being held in the UK. The session on distance education will be held at the Open University, and one of the main invited papers will be on S281. For this paper there are two aspects of S281 on which we need further information – your background, and your reasons for taking S281. The following questions are designed to provide this information. They carry no marks for this (or any other) assignment, and your responses will be treated anonymously. If you can spare a few minutes to answer them, we would be very grateful.

Q15 to Q21 These questions are about your background in maths, science, and astronomy, *before you started your study of S281*. We suggest you read through these quickly before starting to answer them.

KEY for Q15 to Q21

- A Postgraduate level
- B University or polytechnic level (including OU courses)
- C GCE A level, or SCE H level
- D GCE or SCE O level, or GCSE
- E CSE or RSA
- F ONC or OND
- G HNC or HND
- H Lower level course or no course at all

Q15 What is the highest level course in mathematics that you have passed? Select *one* option from the key for Q15 to Q21, and pencil across *one* cell in row 15.

Q16 What is the highest level course in *physics* that you have passed? Select *one* option from the key for Q15 to Q21, and pencil across *one* cell in row 16.

Q17 What is the highest level course in *geology or Earth science* that you have passed? Select *one* option from the key for Q15 to Q21, and pencil across *one* cell in row 17.

Q18 What is the highest level course in *chemistry* that you have passed? Select *one* option from the key for Q15 to Q21, and pencil across *one* cell in row 18.

Q19 What is the highest level course in *biology* that you have passed? Select *one* option from the key for Q15 to Q21, and pencil across *one* cell in row 19.

Q20 What is the highest level course in *combined science or general science* that you have passed? Select *one* option from the key for Q15 to Q21, and pencil across *one* cell in row 20.

Q21 What is the highest level course in *astronomy or planetary science* that you have passed? Ignore courses in which these subjects were a negligible component. Select *one* option from the key for Q15 to Q21, and pencil across *one* cell in row 21.

Q22 to Q24 These questions explore further your background in astronomy and planetary science *before you started on S281*.

Q22 What was your involvement in reading about these subjects? Select as many options from the key as apply to you, and pencil across the appropriate cell(s) in row 22.

KEY for Q22

- A I took astronomy or planetary science options within broader courses.
- B I have regularly read astronomy or planetary science magazines.
- C I have regularly read articles on astronomy or planetary science in more general magazines.
- D I have occasionally read such magazines or articles.
- E I have regularly read 'popular' books on astronomy or planetary science.
- F I have occasionally read 'popular' books on astronomy or planetary science.
- G None of A to F applies to me.

Q23 What was your involvement in astronomy or planetary science, other than reading about it? Select as many options from the key as apply to you, and pencil across the appropriate cell(s) in row 23.

KEY for Q23

- A I have regularly read science fiction novels.
- B I have regularly watched science fiction TV/video/film.
- C I have regularly taken more than a passing glance at the night sky.
- D None of A to C applies to me.