

b ▶ 1.2 Listen to part of James' talk and check your answers in Exercise 7a.

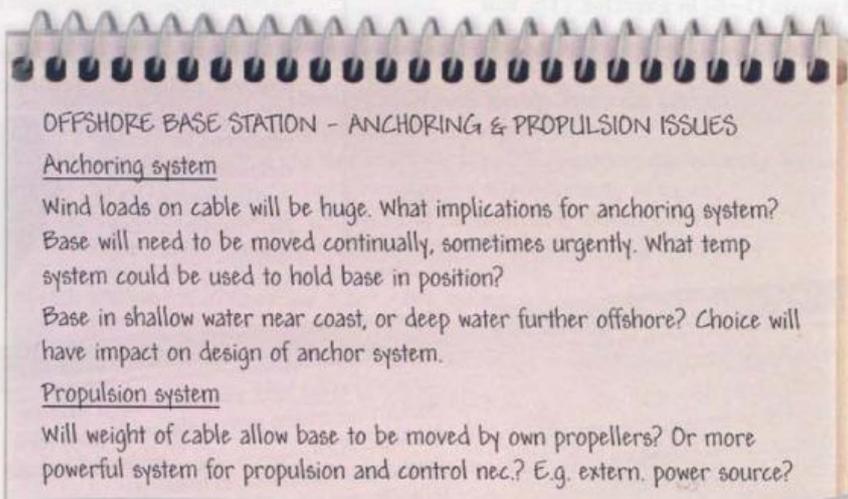
c What kinds of word are missing from the notes? In pairs, compare the audioscript on page 86 with the notes in Exercise 7a.

8 a Some space elevator designs propose an offshore base station. In pairs, discuss how such a system might work using words in Exercise 6c. What advantages might an offshore base have compared with a land base?

b ▶ 1.3 James goes on to discuss offshore base stations. Listen to the talk and answer the following questions.

- 1 How would an offshore base station be supported?
- 2 What would the function of its anchors be?
- 3 How would payloads reach the base station?
- 4 What problem would a mobile base station help to prevent?
- 5 What would the procedure be if there was an alert?

9 a You are members of a space elevator research team designing a concept for offshore base stations. In pairs, analyse the notes below, which were made during a briefing given by your manager. Imagine you are giving a presentation. Begin by reading out the abbreviated notes in full.



b In pairs, discuss the questions raised in the notes and think of some suitable solutions for the anchoring system and the propulsion system. At this stage, these should be overall concepts, not detailed designs. Remember to make notes.

c In small groups, take turns to give a short talk using your notes to explain how the systems work, in general terms. Imagine you are speaking to a small group of colleagues, including your manager.

d Write two or three paragraphs to summarise your talk. These will be included in your manager's longer report on offshore base stations.