Stage 30 Roman engineering

Read pages 178–181 in your textbook and answer the following:

- 1 How do we know anything about the Haterii family? Give two facts we can deduce from that evidence.
- 2 What did an architect contribute to a building project?
- 3 What was the social status of the unskilled laborers?
- 4 List three of the jobs of the carpenters. List four of the jobs of the masons.
- 5 List at least four hand tools that we have inherited almost unchanged from the Romans. Why was the use of hand tools so laborious in Roman times?
- 6 What were the main ingredients in cement?
- 7 What was cement mortar used for?
- 8 What were the ingredients of **opus caementīcium**?
- 9 Name two main structural uses of concrete.
- 10 Name three structures in Rome which were built of concrete.
- 11 Describe another use of concrete and give at least four ways the concrete was hidden.
- 12 Describe the **īnsulae** by noting the quality of construction, the building materials, and the danger inherent in such buildings.
- 13 What two things did Augustus do to minimize the risk?
- 14 Who was emperor during the Great Fire of AD 64? Why, according to Tacitus, did the fire spread so fast?
- 15 Name at least five buildings either restored by Domitian after the fire in AD 80 or erected as part of his building program.
- 16 What was Augustus' famous quotation on his work in Rome?
- 17 What contrast in use and construction materials was evident in the buildings of Rome?
- 18 Why was being a builder or contractor a lucrative profession during the reign of Domitian?