

## Construction machinery

1 Read the text and label the pictures with the words in bold in the text.



A **tower crane** is used to build tall buildings. Its short arm carries a counterweight of concrete blocks and its long arm carries lifting gear. The operator can sit in a cabin at the top of the tower just below the horizontal boom or control the crane by radio remote control from the ground. The lifting hook is controlled by a system of sheaves.

**Digging machines** are used for digging trenches for subterranean utility lines, storm sewers, etc. They use a vehicle (such as a front loader) and digging implements (such as a bucket-style backhoe or a rotary digging one). The rotary digging instruments use a rotating structure that is rotated along an elongated path.

A **concrete mixer** (or cement mixer) mixes cement aggregate (such as cement or gravel) and water to form concrete. There are also portable concrete mixers for smaller volume work.

2 Read the text again and answer the questions.

- |   |   |
|---|---|
| 1 What is a tower crane used for? How does it work? | 4 What do the rotary digging instruments use?   |
| 2 Where can the operator sit?                       | 5 What does a concrete mixer do?                |
| 3 What are digging machines used for?               | 6 What is usually used for smaller volume work? |

3 Find the words in the text for the following definitions.

- |  |       |
|--|-------|
| 1 a person who is employed to operate or control a machine | _____ |
| 2 a curved device used for catching or holding things      | _____ |
| 3 narrow holes which are dug into the ground               | _____ |
| 4 longer and narrower than is normal                       | _____ |
| 5 small enough to be easily carried or moved               | _____ |