

7 The development life cycle – Part 1

Name: _____ Class: _____ Date: _____

Vocabulary 词汇

Write each word three times. 把每个单词抄写三遍。

English	中文	Write it 3 times (English)
development cycle	开发生命周期	_____
analysis	分析	_____
design	设计	_____
coding	编码	_____
testing	测试	_____
flowchart	流程图	_____

Recall

To make a program, programmers follow a **development life cycle** 开发生命周期 — a set of stages.

New ideas

Read these first, then do the Practice.

■ 1 The life cycle

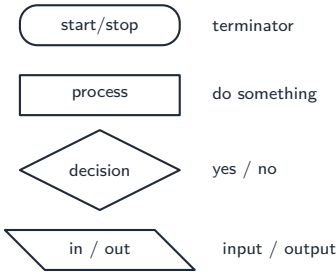


- **analysis** 分析 — work out what is needed;
- **design** 设计 — plan the solution;

- **coding** 编码 — write the program;
- **testing** 测试 — check that it works.

■ 2 Flowchart symbols

A **flowchart** 流程图 plans an algorithm using shapes:



Watch out: the life cycle runs in order: **analysis** → **design** → **coding** → **testing**. In a flowchart a **decision** is a *diamond* (two branches) and **start/stop** is a *rounded box* — don't mix the shapes up.

Practice

Try these in order.

7.1 Name the four main stages of the development life cycle. [2]

7.2 What happens in the analysis stage? [1]

7.3 What happens in the testing stage? [1]

7.4 What flowchart shape is used for a decision? [1]

7.5 What flowchart shape is used for the start and the stop? [1]

7.6 Challenge. Match each flowchart shape to its job: a diamond, a rounded box, a rectangle (decision / start-stop / process). [3]

