

LANGUAGE WORK Cause and effect (1)

What is the relationship between these actions?

- 1 A date or event occurs.
- 2 The trigger routine runs.
- 3 The payload routine activates.
- 4 The hard disk is wiped.

These events form part of a cause and effect chain. We can describe the links between each event in a number of ways:

Using *cause + to V* or *make + V*.

- 1 A date or event occurs which *causes* the trigger routine *to run*.

- 2 A date or event occurs which *makes* the trigger routine *run*.

Putting the events in sequence and using a causative verb.

- 3 The trigger routine runs, which *activates* the payload routine.

Using a *when* clause.

- 4 *When the trigger routine runs*, the payload routine activates.

6 Describe the effects of these viruses and other destructive programs.

- 1 logic bomb – example
 - a A dismissed employee's name is deleted from the company's payroll.
 - b A logic bomb is activated.
 - c All payroll records are destroyed.
- 2 *Form* (Boot sector virus)
 - a A certain date occurs.
 - b A trigger routine is activated.
 - c Keys beep when pressed and floppies are corrupted.
- 3 *Beijing* (Boot sector virus)
 - a The operator starts up the computer for the one hundred and twenty-ninth time.
 - b A trigger routine is activated.
 - c The screen displays, 'Bloody! June 4, 1989'.
- 4 *AntiEXE*
 - a The infected program is run.
 - b The boot sector is corrupted.
 - c The disk content is overwritten.
 - d Data is lost.

- 5 *Cascade* (File virus – COM files only)
 - a A particular date occurs.
 - b The payload is triggered.
 - c Characters on a text mode screen slide down to the bottom.
- 6 macro virus – example
 - a An infected document is opened in the wordprocessor.
 - b The virus macro is executed.
 - c The virus code is attached to the default template.
 - d The user saves another document.
 - e The virus code attaches to the saved document.
 - f The saved document is opened in the wordprocessor.
 - g The virus destroys data, displays a message or plays music.

7 Some verbs beginning or ending with *en* have a causative meaning. Replace the words in italics in these sentences with the appropriate form of *en* verb from this list.

enable	encrypt	ensure
encode	enhance	brighten
encourage	enlarge	widen

- 1 A MIDI message *makes* sound *into code* as 8-bit bytes of digital information.
- 2 The teacher is using a new program to *give courage to* children to write stories.
- 3 The new version of SimCity has been *made better* in many ways.
- 4 A gateway *makes it possible for* dissimilar networks to communicate.
- 5 You can *convert* data *to secret code* to make it secure.
- 6 *Make sure* the machine is disconnected before you remove the case.
- 7 Designers can offer good ideas for *making* your website *brighter*.
- 8 Electronic readers allow you to *make* the print size *larger*.
- 9 Programmers write software which *makes* the computer *able* to carry out particular tasks.
- 10 You can *make* the picture on your monitor *wider*.