

Ch 11: IT security and safety

Section 1. Security solutions



Learning objectives

- Explain various security threats to IT systems.
- Explain how to deal with security threats.
- Offer solutions to a non-IT expert when dealing with security threats.



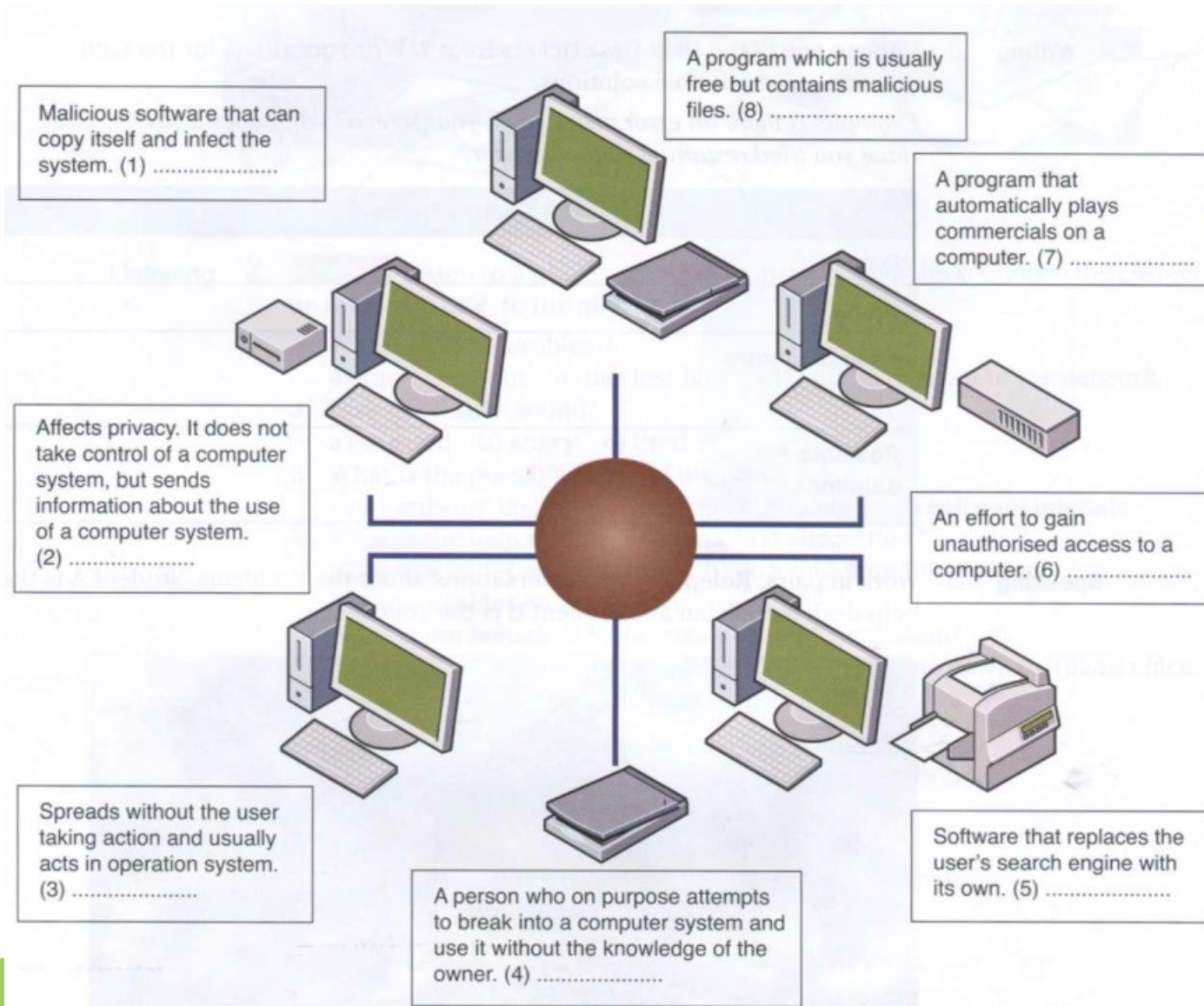
Act. 1.1: Security threats & attacks

- What do you know about security threats and attacks?
- Find some words/terminologies related to security threats and attacks.



Act. 1.2:

- Match each word with its description



- adware
- hacker
- browser hijacker
- malware attack
- spyware
- Trojan
- virus
- worm



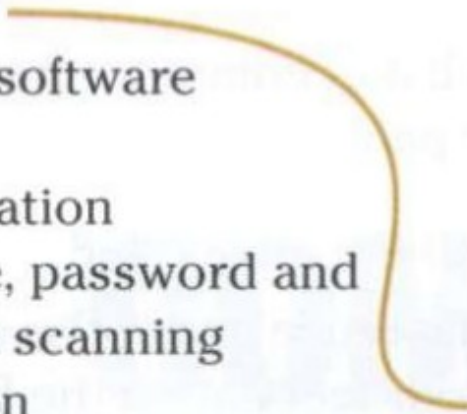
Act. 2.1: Speaking

- Talk about your experience with computer security threats.
- Has anyone ever hacked into your computer system?
- Work in a group of 3, discuss what you can do to stop these problems.



Act. 2.2: Exercise

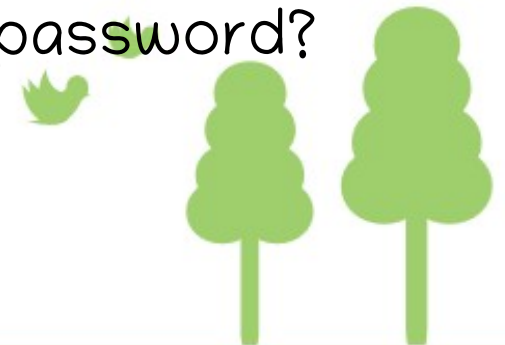
- Match the security solution to its purpose

- | | |
|---|--|
| 1 a firewall | a) prevents damage that viruses might cause |
| 2 antivirus software | b) make sure only authorised people access the network |
| 3 authentication | c) checks the user is allowed to use system |
| 4 username, password and biometric scanning | d) blocks unauthorised access codes |
| 5 encryption | e) protects the system from public access |
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Act. 3: Listening

- Recording 8.48
- What is the conversation about?
- Why does Ludek want Ales to check his laptop?
- Why is Ludek worried that he may lose his project?
- What does Ales think has happened to Ludek's laptop?
- Why does he recommend Ludek install an anti-spyware software?
- Why is it important to have a network access password?
- What will Ales do for Ludek?



Act. 4: Vocabulary

Expressing possibility

We use **may/might** + infinitive without *to* to talk about things that are possible now or in the future.

You **may** have a virus on your computer.

The program **might** not run properly.

- Work in pairs, practice giving advice to a non-IT expert on protecting their computer.

Example:

- *Non-IT expert*: What should I do to stop ... ?
- *Expert*: You should ... It may/might

