

5. The internet and its uses

Starter Quiz · 课前小测

IGCSE Computer Science

Name: _____ Score: _____

1. What is the difference between the internet and the world wide web?

- ☐ the internet is the network; the web is the websites you view on it
- ☐ they are exactly the same
- ☐ the web is the network; the internet is the websites
- ☐ the web replaced the internet

2. A digital currency is:

- ☐ money that exists only in electronic form
- ☐ a special kind of coin
- ☐ a paper banknote
- ☐ a type of cookie

3. A brute force attack works by:

- ☐ trying many passwords very quickly until the right one is found
- ☐ flooding a server with requests
- ☐ sending a fake email
- ☐ listening in on a network

4. A web browser's job is to:

- ☐ render a page's HTML and display it
- ☐ store the website permanently
- ☐ assign IP addresses
- ☐ route packets between networks

5. A blockchain is:

- ☐ a shared digital ledger of transactions, copied across many computers
- ☐ a single private database
- ☐ a type of web browser
- ☐ a physical chain

6. Phishing tricks you with fake messages into giving away details, while pharming silently redirects you to a fake site even when you type the correct address.

- ☐ True ☐ False

7. A persistent cookie is saved on the device and remembers you between visits, whereas a session cookie is deleted when you close the browser.

- ☐ True ☐ False

8. A shared, tamper-resistant digital ledger of transactions is called a _____.

9. A DDoS attack:

- ☐ floods a server with so many requests that it cannot respond
- ☐ steals a password by guessing
- ☐ installs a virus
- ☐ redirects you to a fake site

10. The domain name service (DNS) is used to:

- ☐ find the IP address that matches a web address
- ☐ store all the web pages
- ☐ encrypt the connection
- ☐ block adverts

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1. **the internet is the network; the web is the websites you view on it**

The internet is the worldwide infrastructure; the WWW is one service (websites) running on it.

2. **money that exists only in electronic form**

Digital currency has no physical coins/notes; it is stored and moved by computers.

3. **trying many passwords very quickly until the right one is found**

Brute force tries password after password until it gets in.

4. **render a page's HTML and display it**

The browser fetches the HTML and renders it into the page you see.

5. **a shared digital ledger of transactions, copied across many computers**

Being shared across many computers means no one controls it and it is hard to alter.

6. **True**

Both aim to steal credentials, but phishing needs you to click; pharming poisons the address lookup itself.

7. **True**

Persistent cookies store logins/preferences across visits; session cookies last only for the current visit.

8. **blockchain**

It underpins digital currencies.

9. **floods a server with so many requests that it cannot respond**

A distributed denial-of-service overwhelms a server so genuine users can't reach the site.

10. **find the IP address that matches a web address**

DNS turns the human-readable domain name into the numeric IP address the browser needs.