

5.1 The internet and the world wide web

Name: _____ Class: _____ Date: _____

Total: 8 marks

Objective

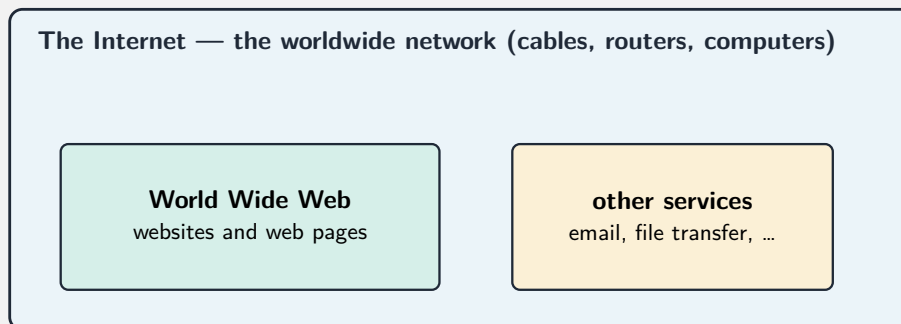
Build the skills to answer exam questions on **the internet and the world wide web** 互联网与万维网—the difference, **URLs** 统一资源定位符, the **web browser** 浏览器, **DNS** 域名服务, and **cookies**.

You must be able to:

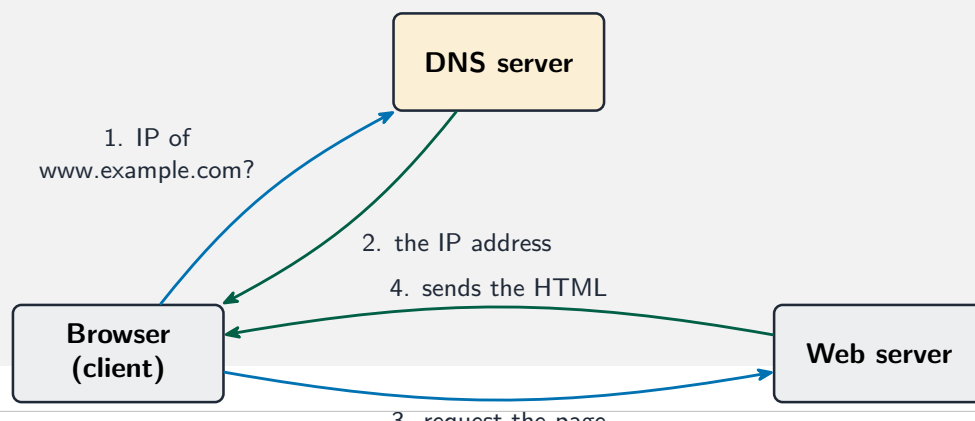
- distinguish the internet from the world wide web
- describe how a web page reaches the browser (DNS, web server)
- describe session and persistent cookies

1 Worked examples

■ Internet, web and DNS



The internet is the worldwide network; the web is one thing you use on it



- **session cookie:** deleted on closing the browser; **persistent:** saved between visits.

2 Practice

2.1 State the difference between the internet and the world wide web. [2]

2.2 State the purpose of a DNS. [1]

3 Exam-style questions

3.1 A cookie deleted when you close the browser is a: [1]

- **A** persistent cookie
- **B** session cookie
- **C** firewall
- **D** proxy

3.2 A user types a URL and presses enter.

(a) Describe the steps that load the web page. [3]

(b) State one use of a persistent cookie. [1]

4 Go further

You are now ready for the real exam questions on this subtopic. Open the **5.1 The internet and the world wide web** past-paper sheet in the Library, or try these in **Practice mode**:

- 0478/12 N25 —Q6 (internet / web)
- 0478/12 N24 —Q7 (DNS / cookies)

Solutions

2.1 the internet is the worldwide network (infrastructure); the web is the collection of websites you view on it.

2.2 it stores the IP address for each web address (turns a URL into an IP address).

3.1 B. A session cookie is deleted when the browser closes.

3.2 (a) the browser asks a DNS for the site's IP address; it then contacts the web server using that IP address; the server returns the HTML, which the browser renders.

(b) remembering you / your details between visits.