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| 1a | * Fibre optic cables transmit data through light so do not suffer from electrical interference. * Data can be transmitted over very large distances without any loss of signal quality. * They are able to transmit data at a higher bandwidth. |
| 1b | * Can access files from any device * … e.g. they can instantly access the data from laptop and mobile phone * Can access files from anywhere // Can access from anywhere with access to the Internet * Can pay for auto-backups // don’t have to backup manually * Security may be higher than at home * May be free of cost * … you do not need to buy more hardware * Easier/quicker to share files with others * More available storage space on devices * Easier to increase storage capacity (not memory) * Can be used a backup in case of data loss |
| 1c | 1 mark per bullet (but ones in bold must be included)   * **Enter URL into browser** * **Browser requests (IP address of site from ISP)** * ISP requests IP address from DNS server. * DNS responds with details of the name server * **ISP asks name server for site IP address//IP associated with URL** * Name server responds with IP address of the host * **ISP sends IP address to the browser** * Browser sends request to the server hosting the site * Server hosting the site sends across content * Browser receives website content * **Website displayed to the user** |