

Q	Answer	Mark	Guidance																					
1	<ul style="list-style-type: none">- The source code is distributed with the software- The customer can modify the source code- The customer can redistribute the source code (with the same licence / restrictions)- Open source software is usually freely distributed	2																						
2	<ul style="list-style-type: none">- Describes that files can be split into pieces- ... as older files are deleted and parts of newer files replace sectors on the drive.- SSDs can be fragmented- ... but due to there being no moving parts on a SSD, retrieval and collation of pieces of a file are much faster.	4																						
3	<ul style="list-style-type: none">- Incremental backups only make backups of files have been changed since last backups.- ... these backups are usually a lot faster // take up less storage space- Full backups make a complete backup of a user's whole drive.- ... these types of backups are very time consuming // may result in big backup files.	4																						
4	<table><tr><th>Software</th><th>OS</th><th>Utility</th></tr><tr><td>Antivirus</td><td></td><td>✓</td></tr><tr><td>Compression</td><td></td><td>✓</td></tr><tr><td>Encryption</td><td></td><td>✓</td></tr><tr><td>Defragmentation</td><td></td><td>✓</td></tr><tr><td>Memory Management</td><td>✓</td><td></td></tr><tr><td>Firewall</td><td></td><td>✓</td></tr></table>	Software	OS	Utility	Antivirus		✓	Compression		✓	Encryption		✓	Defragmentation		✓	Memory Management	✓		Firewall		✓	5	
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5	<ul style="list-style-type: none">- Provides a user interface- Some OS's provide a GUI- Manage user accounts- File management- Provides an interface between software and hardware- Manage system security- Memory management- Disk management	3																						



6	<p>The operating system provides a standardised interface for device drivers to interact with hardware devices. Device drivers are specific software modules that enable the operating system to communicate with and control various hardware components. When a new hardware component such as a camera is added to a computer, the OS needs device drivers to understand how to communicate with it.</p>	5	
7	<p>Proprietary:</p> <ul style="list-style-type: none"> - Software is tested well - Comes with professional support - Comes with documentation <p>Open-source:</p> <ul style="list-style-type: none"> - Open-source is usually free - Software can be tailored by organisations to their needs - Support can be found from online communities if the software is popular. 	2	

