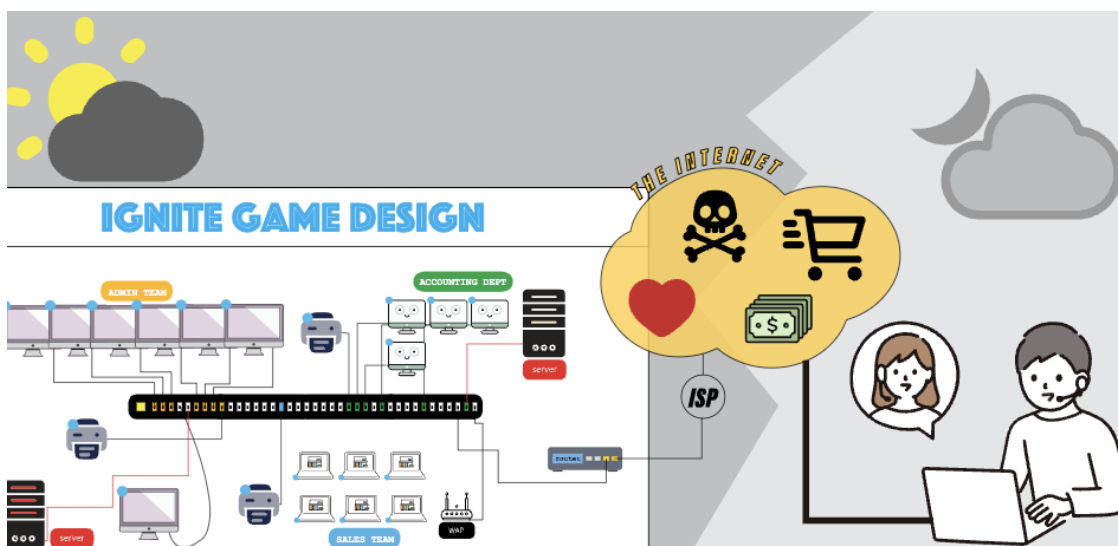




- (a) **State** two technologies that are required to provide a virtual private network (VPN).

[2]

- (b) **Identify two** factors that may affect the speed of data transmission.

[2]

- (c) **Explain** why data compression would be used when data is transmitted.

[3]

A large amount of sensitive data is stored online and needs to be protected.

(d) **Outline** how encryption is used to protect data.

[2]

(e) **Describe** the role of a firewall.

[2]

Employees are increasingly working from home.

(f) **Discuss** the social impacts of this changed work pattern on employees.

[4]