

Comptia A+

To watch the below video, you need to right click on the Hyperlink just below the highlighted task in red color and select the Open Hyperlink option. It will take you to the YouTube where you can watch the concerned video.

You are required to watch the video and answer the Questions asked below.

You need to type answers in the row indicated with "Ans."

What are the Wi-Fi standards we use?

Wi-Fi standards

<https://drive.google.com/file/d/14T-17941d08mvxchzigCTIN7UkwrQdYi/view?usp=sharing>

1	What is Wi-Fi?
Ans.	a wireless technology used to connect devices to the internet
2	What are the wireless technologies we use?
Ans.	802.11b, 802.11a, 802.11g, 802.11n, 802.11ac
3	What is the speed of 802.11b?
Ans.	11 Mbps
4	What is the distance 802.11b can cover?
Ans.	300 ft
5	In which year 802.11b came into the market?
Ans.	1999
6	What is the frequency range of 802.11b?
Ans.	2.4 GHz
7	What is the speed of 802.11a?
Ans.	54 Mbps
8	What is the distance 802.11a can cover?
Ans.	60 ft
9	In which year 802.11a came into the market?
Ans.	2002

10	What is the frequency range of 802.11a?
Ans.	5 Ghz
11	What is the speed of 802.11g?
Ans.	54 Mbps
12	What is the distance 802.11g can cover?
Ans.	100 ft
13	In which year 802.11g came into the market?
Ans.	2003
14	What is the frequency range of 802.11g?
Ans.	2.4 GHz
15	What is the speed of 802.11n?
Ans.	700 Mbps
16	What is the distance 802.11n can cover?
Ans.	230 ft
17	In which year 802.11n came into the market?
Ans.	2006
18	What is the frequency range of 802.11n?
Ans.	2.4 or 5 GHz
19	What is the speed of 802.11ac?
Ans.	1 Gbps
20	What is the distance 802.11ac can cover?
Ans.	230 ft
21	In which year 802.11ac came into the market?
Ans.	2014
22	What is the frequency range of 802.1ac?
Ans.	5 GHz
23	What are the things that we are definitely concerned about when it comes to wireless?
Ans.	fast and stronger signals
24	What are the technologies we use for security for wireless system?
Ans.	WPA/WPA2
25	WPA stands for?

Ans.	Wifi Protective Access
26	What are the protocols works behind WPA/WPA2?
Ans.	TKIP and AES
27	TKIP stands for?
Ans.	Temporal Key Integrity Protocol
28	AES stands for?
Ans.	Advanced Encryption Standard
29	What do you mean by TKIP?
Ans.	is an encryption method, making sure that the passcode doesn't get crack
30	What do you mean by AES?
Ans.	is a algorithm that uses the same key to encrypt and decrypt protected data,
31	WEP stands for?
Ans.	Wired Equivalent Privacy
32	Is WEP secure?
Ans.	it's no longer secure
33	WEP is replaced with?
Ans.	War Driving
34	Which wireless technology offers very fast speed and uses the 5GHz range?
Ans.	802.11ac
35	Which security technology 802.11ac uses?
Ans.	WPA2