

# CompTIA

## Exam Questions 220-1101

CompTIA A+ Certification Exam: Core 1



#### NEW QUESTION 1

Which of the following should the data center hardware technician implement to ensure maximum uptime for customers' virtual machines?

- A. Line conditioner
- B. AC voltage regulator
- C. Uninterruptible power supply
- D. Cloud storage backup

**Answer: C**

#### NEW QUESTION 2

A field technician has been dispatched to a site with an internet outage. Upon arriving, the technician discovers that the POTS lines are not working as well. Which of the following technologies is the site MOST likely using?

- A. Fiber
- B. Cable
- C. DSL
- D. Satellite

**Answer: C**

#### NEW QUESTION 3

A user acquired a new workstation and is attempting to open multiple large Excel files simultaneously. The user is not experiencing the expected performance when executing such large requests. Which of the following should a technician do FIRST?

- A. Increase the swap partition.
- B. Upgrade the CPU in the workstation.
- C. Upgrade the power supply in the workstation.
- D. Upgrade the RAM in the workstation.

**Answer: D**

#### NEW QUESTION 4

A user submitted a ticket to report an issue with a new printer that is no longer accepting new print jobs. The technician verifies the printer is on and notices the printer LCD screen has the following error message:

Paper Jam, Jam in fuser.

Which of the following is the MOST efficient next step the technician should complete?

- A. Apply a maintenance kit to the printer
- B. Check the printer paper path to locate any obstructions.
- C. Turn the printer on and off to see if the error clears.
- D. Replace the fuser.

**Answer: B**

#### NEW QUESTION 5

An end user reports that the time and date on a desktop resets after shutdown, and subsequently, the device reboots. The next day, the desktop does not load the OS and is stuck at a black screen with the following message:

```
Date/Time Not Set
Press F1 to Run Setup
```

Which of the following would be the BEST action to take next?

- A. Change the motherboard.
- B. Reseat the motherboard power connections.
- C. Replace the CMOS battery.
- D. Restore the BIOS to factory default settings.

**Answer: C**

#### NEW QUESTION 6

An administrator is configuring a corporate-owned smartphone for a new manager. The company requires the ability to wipe the phone's data remotely in the event of loss or theft and the capability to approve applications installed on the phone. Which of the following tools would BEST meet this need?

- A. Tethering to a corporate-owned laptop
- B. WPA2-Enterprise wireless
- C. Corporate enterprise email
- D. Mobile device management

**Answer: D**

#### NEW QUESTION 7

A technician goes to a classroom to troubleshoot a projector that occasionally powers off. The technician recreates the issue and notices the projector will not power back on until approximately 15 minutes have passed. After 15 minutes of being powered on, the projector shuts off again. Which of the following should the

technician perform NEXT to resolve the issue?

- A. Clean the filter.
- B. Adjust the standby timeout.
- C. Check the power cable connection.
- D. Replace the bulb.

**Answer:** A

#### **NEW QUESTION 8**

A technician is commissioning a workstation that is required to have mirrored storage, utilizing two 4TB drives that support one failure. Which of the following BEST meets these requirements?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 10

**Answer:** B

#### **NEW QUESTION 9**

A technician installed a Cat 5 UTP cable approximately 275ft (84m) from a network switch in an office to a workstation located on a factory floor. The technician sees both a flashing green LED and a flashing orange LED on the workstation's NIC. Which of the following should the technician do FIRST?

- A. Check for loose connections, pinched bends, and physical damage.
- B. Install a powered hub as close as possible to the halfway point in the Cat 5 UTP cable run.
- C. Replace the entire run of Cat 5 UTP cable with Cat 5 STP cable.
- D. Upgrade the entire cable run to multimode fiber.

**Answer:** A

#### **NEW QUESTION 10**

A customer is using a satellite internet connection that is experiencing slowness. A technician notices high latency while pinging, but the download test is performing perfectly with very good download speeds. Which of the following represents the NEXT action the technician should perform?

- A. Restart the modem and run an online internet connection and speed diagnostic tool.
- B. Guide the customer on how to upgrade the internet plan with the provider in order to improve latency.
- C. Explain to the customer this is not an issue; this situation is normal for this type of internet connection.
- D. Replace the modem because it is not working correctly based on the test result.

**Answer:** A

#### **NEW QUESTION 10**

Which of the following standards supports MIMO technology?

- A. 802.11a
- B. 802.11b
- C. 802.11g
- D. 802.11n

**Answer:** D

#### **NEW QUESTION 15**

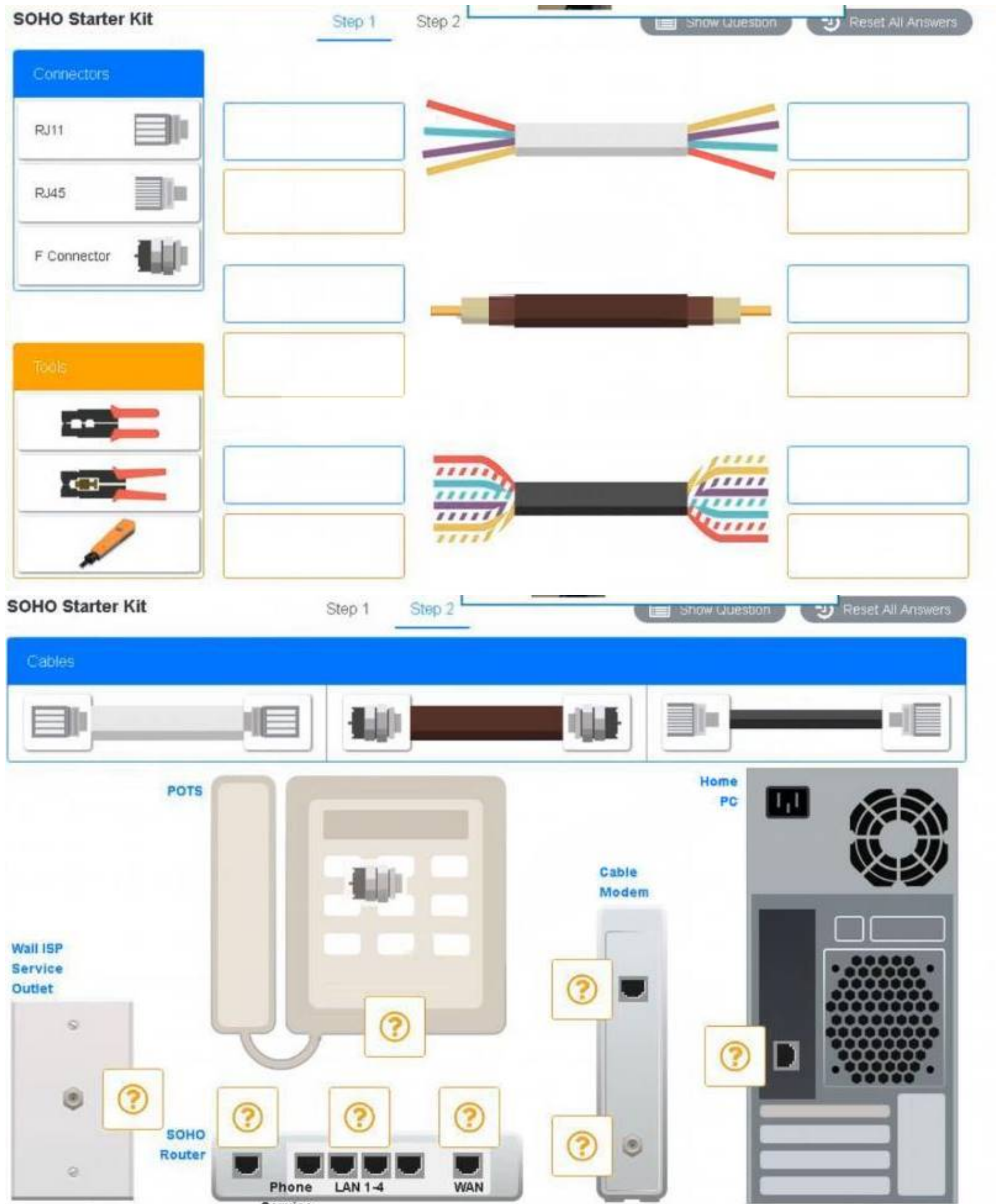
A small ISP has hired a new technician Joe. The new technician, is being trained to configure customers' home networks. The training instructor gives the technician a starter kit with cables, cable ends, and other network equipment and asks him to build a working network.

The computer should be connected to have internet connectivity and the phone should be connected to have a dial tone.

##### **INSTRUCTIONS**

Use the appropriate cables, cable ends, tools and equipment to configure the network and connect the components accordingly.

There are 3 steps and the simulation starts on step 1.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

A picture containing text, screenshot, indoor Description automatically generated



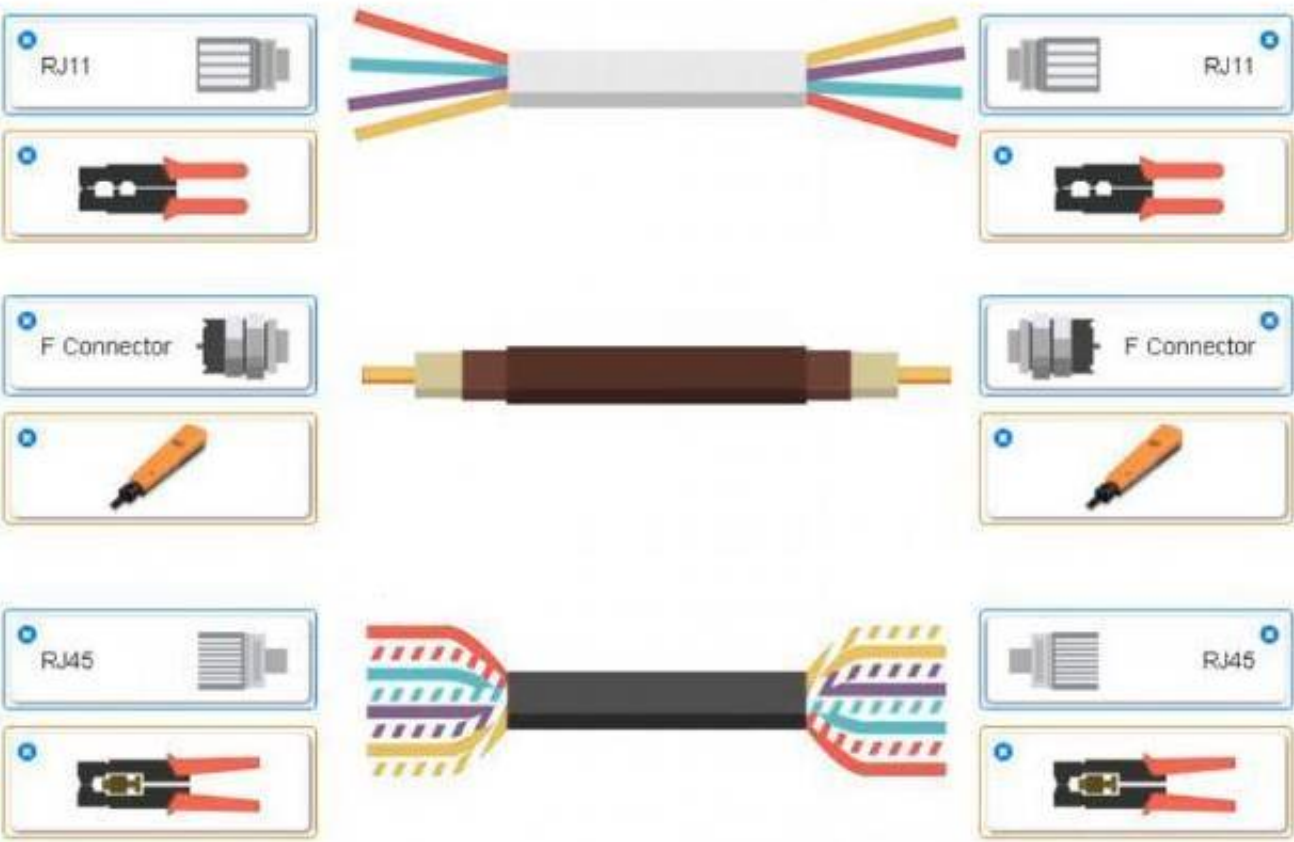
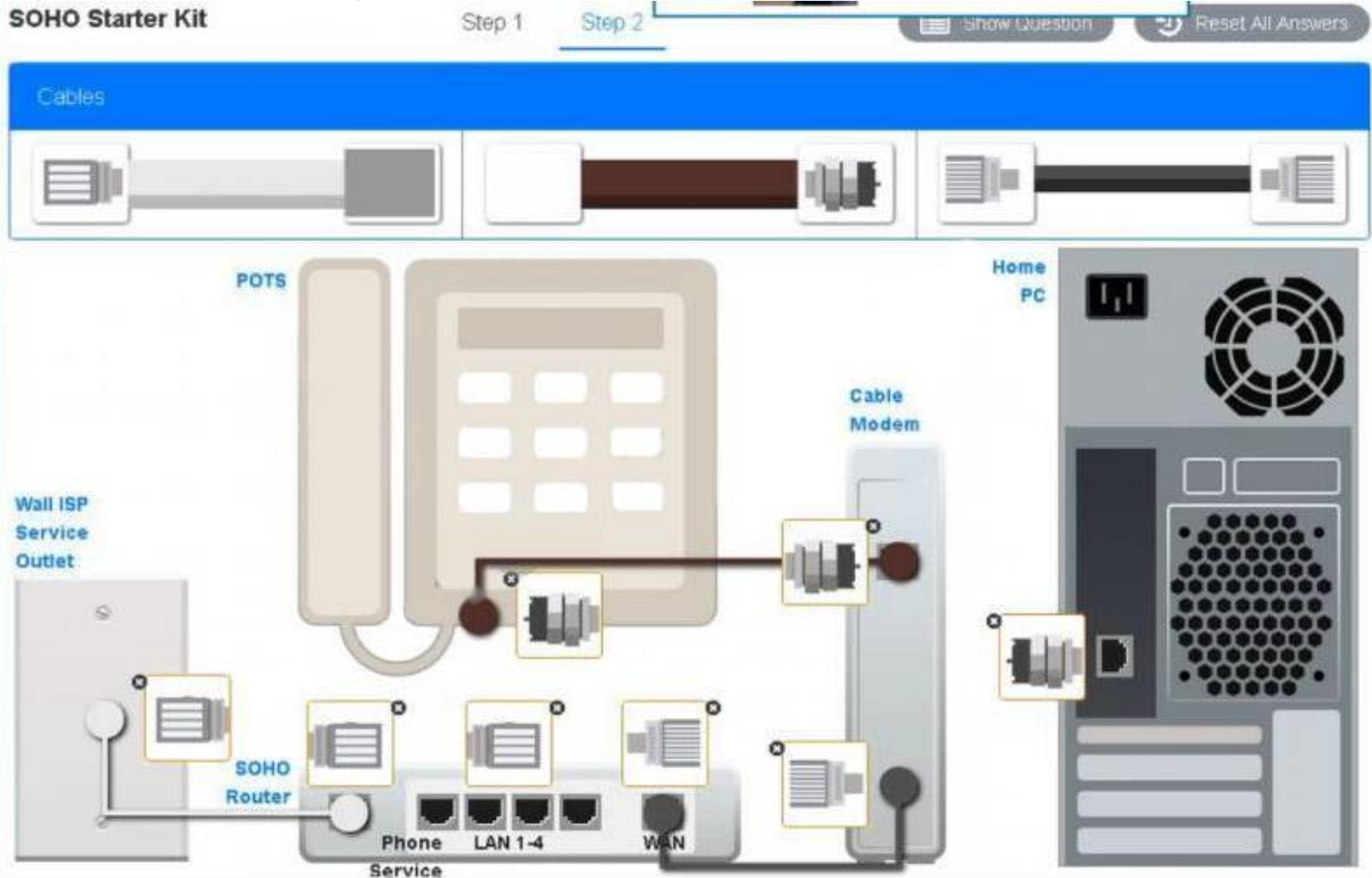


Diagram Description automatically generated with medium confidence



**NEW QUESTION 18**

Laura, a customer, has instructed you to configure her home office wireless access point. She plans to use the wireless network for finances and has requested that the network be setup with the highest encryption possible. Additionally, Laura knows that her neighbors have wireless networks and wants to ensure that her network is not being interfered with by the other networks. She requests that the default settings be changed to the following.

Wireless Name: HomeWiFi  
 Shared Key: CompTIA  
 Router Password: Secure\$1

Finally, Laura wants to ensure that only her laptop and Smartphone can connect to the network.

Laptop: IP Address 192.168.1.100  
 Hardware Address: 00:0A:BF:03:C4:54  
 Smartphone: IP Address 192.168.1.101  
 Hardware Address: 09:2C:D0:22:3F:11

**INSTRUCTIONS**  
 Configure Laura's wireless network using the network adapter window.  
 If at any time you would like to bring back the initial state of the situation, please click the Reset All button.



### Laura's Wireless Configuration

**WIRELESS SETUP**
**NETWORK FILTER**
**ADMINISTRATOR TOOLS**

#### Wireless Network Settings

Enable Wireless: ☒

Wireless Network Name:  (Also called the SSID)

Wireless Channel:

Disable SSID Broadcast: ☐

802.11g Only Mode: ☐

#### Wireless Security Mode


Security Mode:


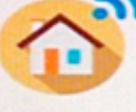

#### WPA2

Passphrase:

Confirmed Passphrase:

### Laura's House



- 
Wireless Network Name: **Default**  
Security Mode: **Open**  
Wireless Channel: **11**
- 
Wireless Network Name: **MyWi**  
Security Mode: **WEP**  
Wireless Channel: **6**
- 
Wireless Network Name: **PatsWiFi**  
Security Mode: **WEP**  
Wireless Channel: **11**

### Laura's Wireless Configuration

**WIRELESS SETUP**
**NETWORK FILTER**
**ADMINISTRATOR TOOLS**

Please enter the same password into both boxes for confirmation.

Password:

Verify Password:

### Laura's Wireless Configuration

**WIRELESS SETUP**
**NETWORK FILTER**
**ADMINISTRATOR TOOLS**

#### Wireless Network Settings

Enable Wireless: ☐

Wireless Network Name:  (Also called the SSID)

Wireless Channel:

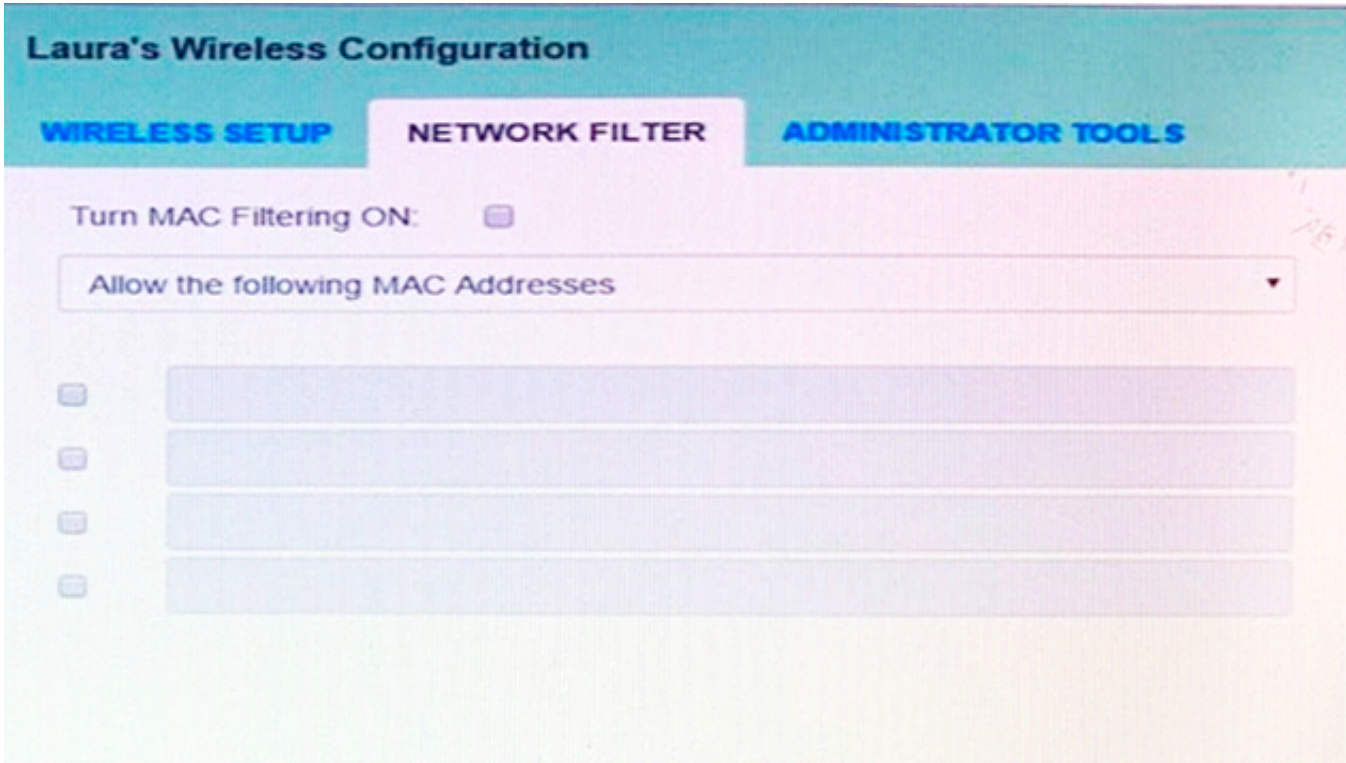
Disable SSID Broadcast: ☐

802.11g Only Mode: ☐

#### Wireless Security Mode

Security Mode:

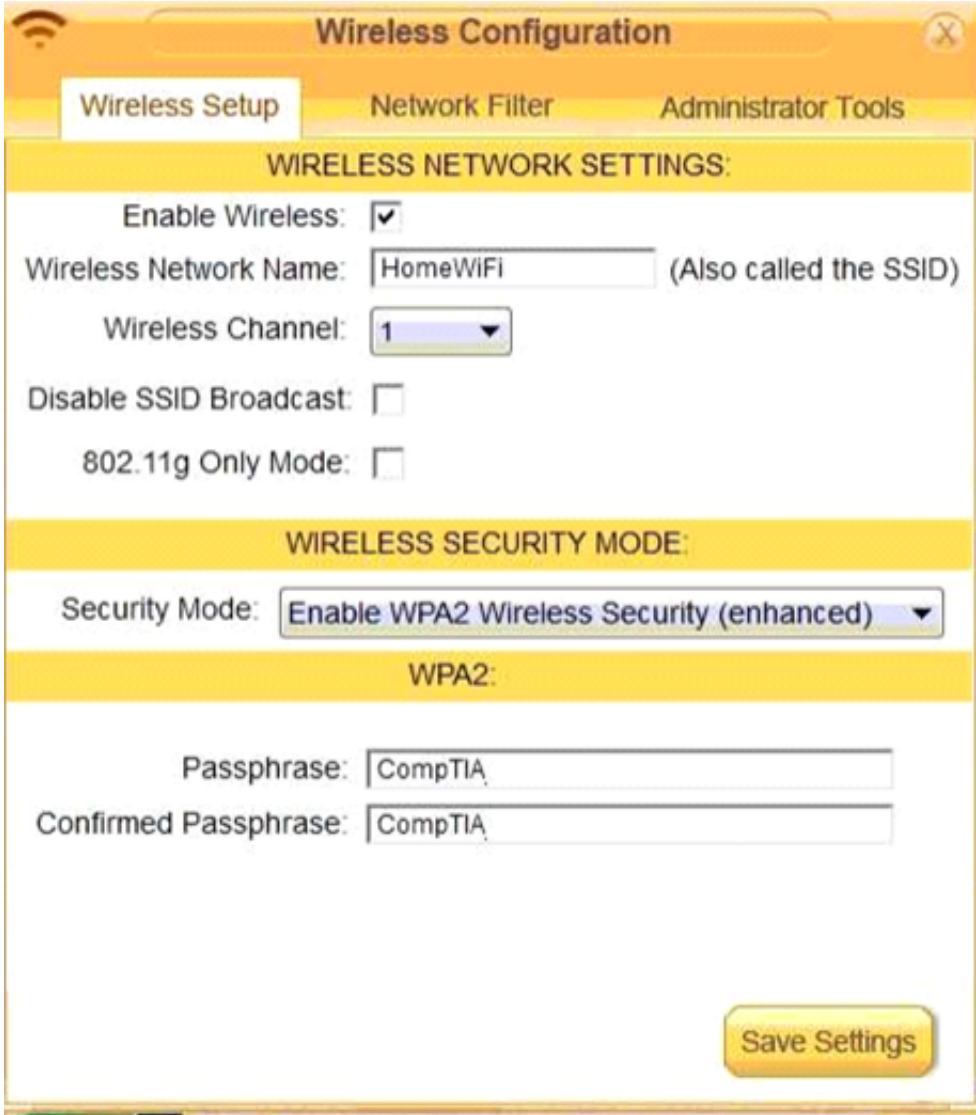





- A. Mastered
- B. Not Mastered

Answer: A

Explanation:





Wireless Configuration

Wireless Setup

Network Filter

Administrator Tools

☒ Turn MAC Filtering ON

Allow the following MAC Addresses

MAC Address

☒ 00:0A:BF:03:C4:54

☒ 09:2C:D0:22:3F:11

☐

☐

Save Settings



Wireless Configuration

Wireless Setup

Network Filter

Administrator Tools

ADMIN PASSWORD

Please enter the same password into both boxes for confirmation.

Password:

Secure\$1,

Verify Password:

Secure\$1

Save Settings

#### NEW QUESTION 20

A technician is tasked with installing additional RAM in a desktop computer. Which of the following types of RAM is MOST likely to be used?

- A. SODIMM
- B. DDR3
- C. ECC
- D. VRAM

Answer: B

#### NEW QUESTION 23

A technician is setting up a device to use two-factor authentication. Which of the following meets this requirement?

- A. Thumbprint/retinal scan
- B. Password/password
- C. Password/thumbprint



D. Password/PIN

**Answer:** C

**NEW QUESTION 26**

Which of the following BEST describes the main function of a web server?

- A. Storing files and controlling user access
- B. Setting up personal mailboxes and calendars
- C. Providing IP addresses and printing services
- D. Hosting home pages and business portals

**Answer:** D

**NEW QUESTION 29**

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