Lab – Mobile Device Information (Instructor Version)

**Instructor Note**: Red font color or gray highlights indicate text that appears in the instructor copy only.

# Introduction

In this activity, you will use the Internet, a technical journal, or a local store to gather information about an Android and an iOS device. You will document the specifications of each Android and iOS device onto this worksheet. Be prepared to discuss your decisions regarding the devices you would purchase as your next mobile device.

# Recommended Equipment

* PC with internet Connection

# Instructions

In this activity, you will perform research on an Android and iOS device in your decision for the next mobile device purchase.

* + - 1. Choose an Android device and an iOS device for research.
      2. Record the hardware specifications in each type of mobile devices below.

**Instructor Note**: You may choose another Android and iOS device to research. The answers below are specific to the Samsung Galaxy S22 Ultra and the Apple iPhone 14 Pro Max.

|  |  |  |
| --- | --- | --- |
| Specifications | Android Device | iOS Device |
| **Model** | Galaxy S22 Ultra | iPhone 14 Pro Max |
| **Manufacturer** | Samsung | Apple |
| **Operating System** | Android 12 | iOS 16.x |
| **Available Memory** | 8 GB RAM, 128GB; 12GB RAM, 256 / 512 / 1TB GB | 6GB RAM, 128GB / 256GB / 512 GB / 1TB |
| **Camera** | Rear: Quad Camera  Main: 108 MP  Second: 10MP  Third: 10 MP  Fourth: 12 MP  Video: 8K  Front:  40 MP  Video: 8K | Rear: Triple Camera  Main: 48 MP  Second: 12MP  Third: 12 MP  Video: 4K  Front:  12 MP  Video: 4K |
| **Wi-Fi Connectivity** | 802.11 a, b, g, n, ac, ax (Wi-Fi 6); Wi-Fi Direct, Hotspot | 802.11 a, b, g, n, ac, ax (Wi-Fi 6); Wi-Fi Direct, Hotspot |
| **Cellular Network Connectivity** | GSM / CDMA / HSPA / EVDO / LTE / 5G | GSM / CDMA / HSPA / EVDO / LTE / 5G |
| **Battery Information** | Li-ion , 5000 mAh | Li-Ion 4323 mAh |
| **Screen Size and Resolution** | 6.8 inches screen  3088 x 1440 pixels, 19.3:9 ratio, 501 PPI | 6.7 inches screen  2796 x 1290 pixels, 19.5:9 ratio, 460 PPI |
| **Size and Weight** | 6.43 x 3.07 x 0.35 inches  (163.3 x 77.9 x 8.9 mm)  Weight: 8.08 oz (229.0 g) | 6.33 x 3.05 x 0.31 inches  (160.7 x 77.6 x 7.85 mm)  Weight: 240 g (8.47 oz) |

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#### Question:

Based on your research, which mobile device would you select? Be prepared to discuss your decisions regarding the mobile device you select. What are other factors that affect your selection?

Type your answers here.

Answers may vary. Other factors that may affect the selection can be the price and carrier availability.

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