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REFLECTIVE PAPER

How does Mobile Phone Work?

- Nowadays, Mobile phone is important in our daily lives because we can easily communicate with other people. Utilizing this kind of technology is important because we can use this to get some important information. To communicate with a mobile phone, it is necessary to be within range of the base station of one's operator and receive a radio signal of sufficient quality. These days, they frequently come with a 4G or 5G network to indicate the kind of technology that is available nearby. When a call is placed on a mobile phone, the device first establishes a radio link with the base station antenna of the operator that has the closest signal. The premise is the same for receiving a call, with the exception that the base station antenna must make the connection. The operator also needs to be aware of the recipient's network cell in order to route the call in this instance. Mobile devices "report" to the network as soon as they are turned on, sometimes even while they are not being used for calls.

How does the Internet works?

- The internet works via satellite. All the data or information was stored inside the data center. The internet or data reach our mobile phone by using a satellite. The signal was sent to the satellite then the signal was sent to the mobile phone via another antenna. In order for the data transmission to be successful the data would have to travel a distance of 44,000 miles. These long distance causes a delay in receiving a signal. As you can see when we are using internet sometimes the signal was not strong enough and it cause delay when sending and receiving messages.