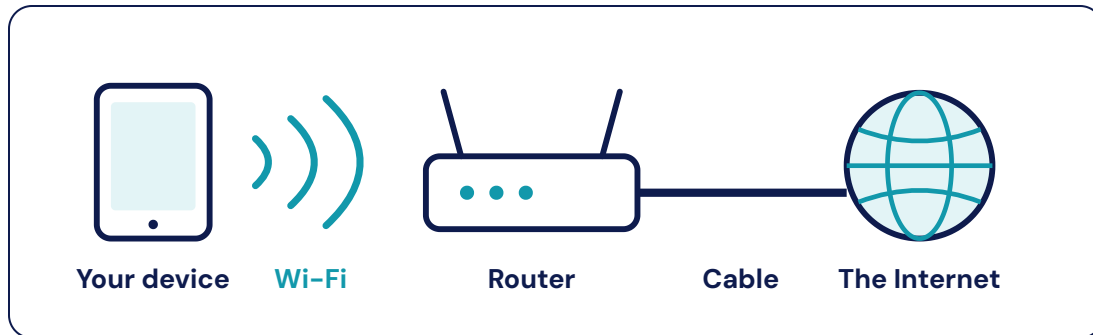


What Is Wi-Fi?

Name _____

Date _____

Find out how your device gets online without a cable.



1 Fill in the Blanks

Use each word from the word bank once.

cable

router

radio waves

Internet

1. Wi-Fi sends information through the air using _____.
2. Your device talks to a box called the _____.
3. From the router, a _____ carries everything out of your home.
4. Wi-Fi is only the first short link. It is not the same as the _____.

2 Strong Signal or Weak Signal?

Distance and walls make a Wi-Fi signal weaker. Circle the best answer.

- | | | |
|--|------------------------------|----------------------------|
| 1. Sitting in the same room as the router | ☐ STRONG | ☐ WEAK |
| 2. Two floors away, behind thick walls | ☐ STRONG | ☐ WEAK |
| 3. Right next to the router, with nothing in between | ☐ STRONG | ☐ WEAK |
| 4. Far out in the backyard | ☐ STRONG | ☐ WEAK |

Good to know: Your tablet can show full Wi-Fi bars and still not load a page. The link to the router is working, but the link from the router to the Internet is not.

3 True or False?

Circle TRUE or FALSE.

- | | | |
|---|----------------------------|-----------------------------|
| 1. Wi-Fi and the Internet are the same thing. | ☐ TRUE | ☐ FALSE |
| 2. Wi-Fi sends information through the air using radio waves. | ☐ TRUE | ☐ FALSE |
| 3. The whole journey to a website happens through the air. | ☐ TRUE | ☐ FALSE |
| 4. Your tablet can be connected to Wi-Fi even when the Internet is not working. | ☐ TRUE | ☐ FALSE |

4 Wi-Fi Detective

Explore your home with a grown-up. Draw a simple map of your home in the box and mark the router with an **X**. Which room has the strongest signal? Which has the weakest?

5 In Your Own Words

A friend says, “Wi-Fi and the Internet are the same thing.” What would you tell them?

Answers for grown-ups. 1: 1 radio waves, 2 router, 3 cable, 4 Internet. 2: 1 Strong, 2 Weak, 3 Strong, 4 Weak. 3: 1 False, 2 True, 3 False (after the router, most of it travels over cables), 4 True (the device still reaches the router, but websites will not load). 5: Wi-Fi only links a device to the router. The Internet is everything beyond it.

KEEP LEARNING

Goes with the book **How the Internet Works for Kids Ages 8–12** by Laith Sad.

Book on Amazon: [amazon.com/dp/B0HLH86YQ3](https://www.amazon.com/dp/B0HLH86YQ3)

More free printable sheets and guides: lfthq.com/free



Scan for more
lfthq.com/scan