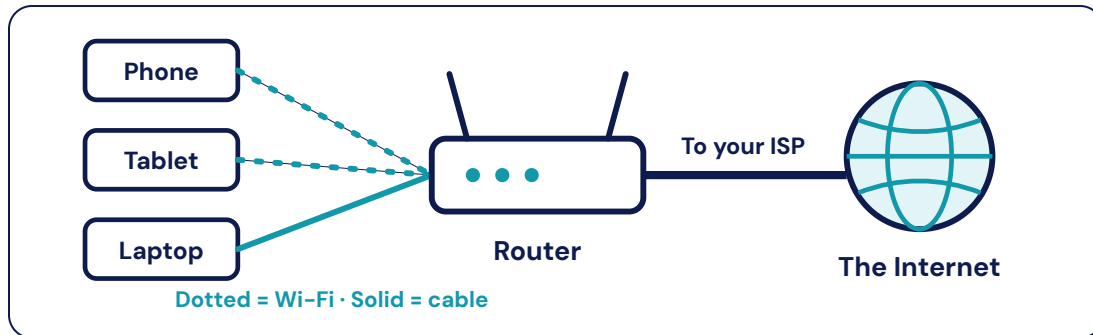


What Is a Router?

Name _____

Date _____

Meet the box that connects your home to the Internet.



1 Fill in the Blanks

Use each word from the word bank once.

packets

ISP

Wi-Fi

router

1. Devices at home connect to a box called the _____.
2. They connect to it by _____ or by cable.
3. Information travels in small pieces called _____.
4. A cable links the router to the _____, the company that connects your home to the Internet.

2 True or False?

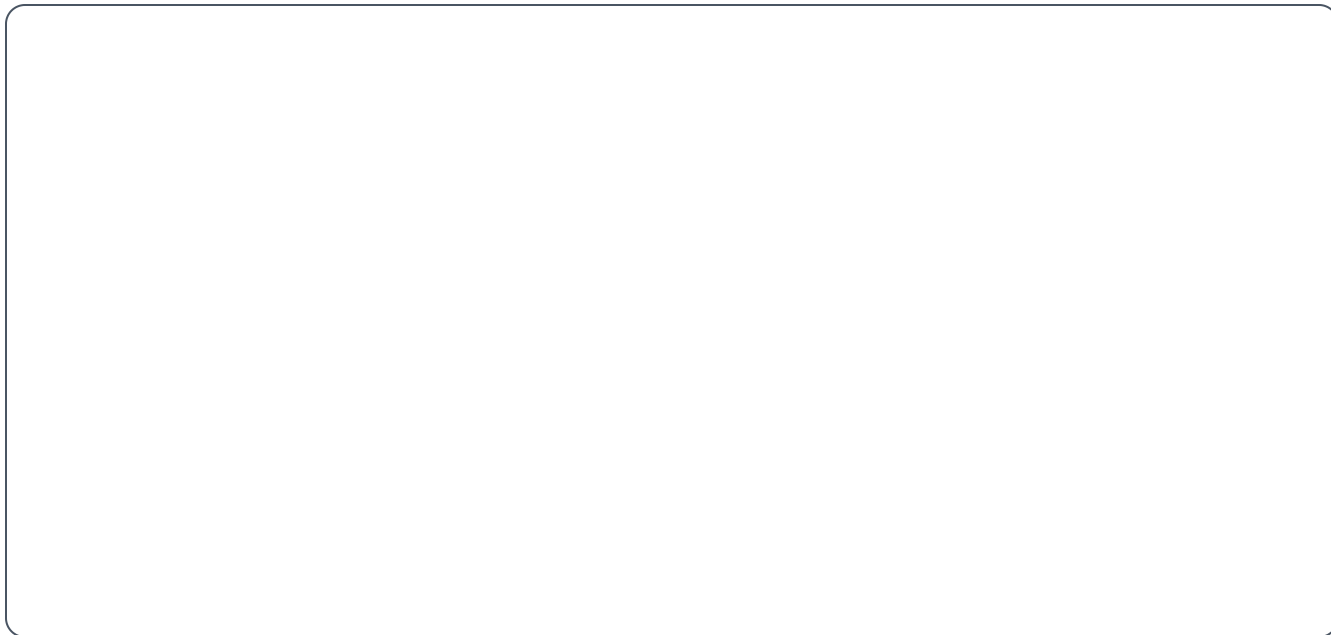
Circle TRUE or FALSE.

- | | | |
|---|------|-------|
| 1. A router is the same thing as the Internet. | TRUE | FALSE |
| 2. Devices can connect to a router by Wi-Fi or by cable. | TRUE | FALSE |
| 3. A router reads where each packet is going and passes it along. | TRUE | FALSE |
| 4. There is only one router on the whole Internet. | TRUE | FALSE |
| 5. A packet can hop through many routers before it arrives. | TRUE | FALSE |

Good to know: In some homes a second box called a **modem** sits between the router and the cable outside. In others, both are built into one box.

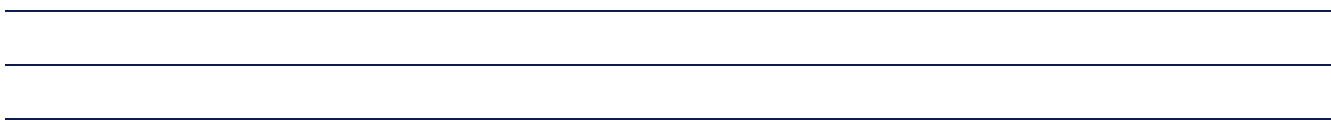
3 Draw Your Home Network

Draw the router in the middle of the box. Around it, draw every device in your home that connects to it. Use a dotted line for Wi-Fi and a solid line for cable.



4 In Your Own Words

What does a router do?



Answers for grown-ups. 1: 1 router, 2 Wi-Fi, 3 packets, 4 ISP. 2: 1 False, 2 True, 3 True, 4 False (there are a great many), 5 True. 4: It connects the devices at home to each other and to the Internet, and passes packets along to the right place.

KEEP LEARNING

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

Book on Amazon: [amazon.com/dp/BOHLH86YQ3](https://www.amazon.com/dp/BOHLH86YQ3)

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