

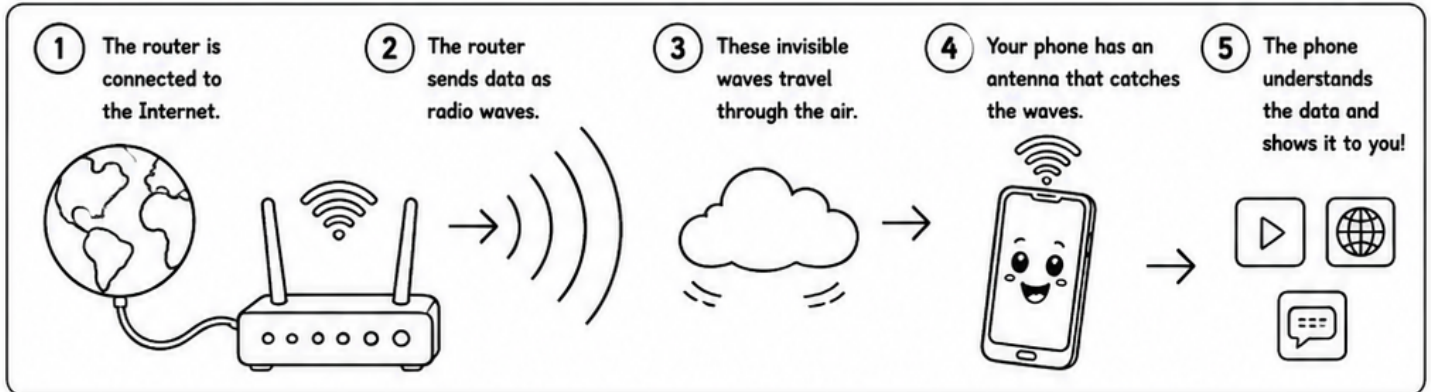
Name: _____

Date: _____



HOW DOES WI-FI REACH YOUR PHONE?

Wi-Fi uses invisible radio waves to send information from the router to your phone – without any wires! ★



A. FILL IN THE BLANKS

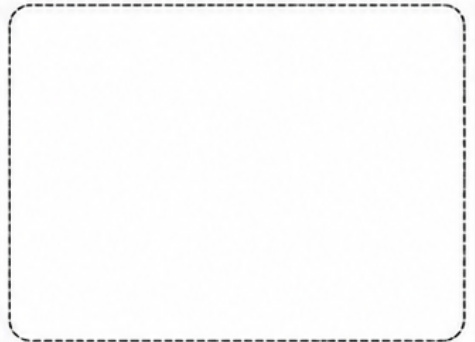
- Wi-Fi uses _____ waves to send information.
- The router is connected to the _____.
- The waves travel through the _____.
- Your phone has a tiny _____ that catches the waves.
- The phone understands the data and shows it to _____.

B. TRUE OR FALSE

- Wi-Fi uses wires to send data.
True / False
- You can see Wi-Fi waves in the air.
True / False
- Wi-Fi can go through walls.
True / False
- The router sends data as radio waves.
True / False
- More walls can make Wi-Fi signal weak.
True / False

C. DRAW AND LABEL

Draw a Wi-Fi router and a phone.
Show how the Wi-Fi waves travel from the router to the phone.



D. COLOR THE SCENE

Make this picture colorful!



E. THINK AND ANSWER

What do you think would happen if there were no Wi-Fi in our lives?

F. CHALLENGE!

List 3 places in your home where the Wi-Fi signal is strong.

- _____
- _____
- _____

DID YOU KNOW?

Wi-Fi signals travel at almost the speed of light – about 300,000 kilometres every second!



Great job! You've learned something amazing today!