

Packets, Routing, and Reliability Guided Notes from Code.org

Watch [Packets, Routing and Reliability](#). Answer the following questions as you watch the video.

1. Why can't the internet be made of many direct, dedicated connections?
2. Do packets of information travel along the same, fixed path? Explain your answer.
3. Special computers on the internet, called _____, act like traffic managers to keep packets moving through networks smoothly.
4. What might cause a packet's route to change?
5. What protocol ensures that every router keeps track of multiple paths for sending packets and it chooses the cheapest available path for each piece of data based on the destination IP address for the packet? _____
6. What makes a network fault tolerant?
7. How does TCP ensure that you get your entire message?
8. The more _____ we add, the more _____ the internet becomes.
9. What is the internet made up of?
10. Open protocols help ensure that all devices on the internet do what three things?