Processing Delay: Time to examine packet's header, determine where to direct the packet, check for bit-level errors in the packet, etc.

Queuing Delay: Packet waits to be transmitted onto link. Depends on number of earlier packets. Queuing delay is 0 if queue empty. be zero. Queuing delay long if traffic heavy.

Transmission Delay: Length of the packet = L bits, transmission rate of the link from router A to router B = R bits/sec, Transmission delay is $\frac{L}{R}$.

Propagation Delay: Time for bit to propagate from start of link to other router. Depends on medium of link.