

		Data	gram	
Version	Class			Flow label
Payload length			Prot	Hop limit
		Source II	P address	
		(3 mo	re words)	
		Destination	IP addre	SS
		(3 mo	re words)	
		Da	ata	



Multiple headers

IPv6 allows multiple headers: the base header (i.e. first) has a field called *Next header* ("Protocol" in the figure). This filed is set to TCP or small UDP if there are no other headers; otherwise, it is set to the type of *extension header* that follows. This can be repeated several times; the last header must indicate a transport layer protocol.

One of the extension header types is *Options*, which is a variable–length header.

