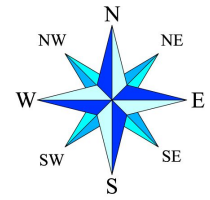


Direction and Speed

Find your group's assigned location in the table below. Most of the sites are located where at least two plates meet. Using the range below, pick up an arrow for each plate and place it on the DQB map for the plates at your site location. Using the compass below, match the direction the plates are moving on the map so the arrow is pointing in the direction the plate is moving. If your location has two or more plates listed in the table, you need to will need an arrow for each plate. We will do Mt. Everest together.



Speed Range	Size of Arrow
0-25 mm/year	small
25-50 mm/year	medium
50-75 mm/year	large

Location	Plate Name and Overall Direction of Movement		Speed (mm/year)
Mt. Everest, Himalayas	Indian	NE	55.30
	Eurasian	S	29.89
Mt. Aconcagua, Andes	Nazca	E	67.85
	South American	W	10.04
Mt. Fuji, Japan	Phillipine	E	25.73
	Pacific	NW	72.36
	North American	S	19.86
	Eurasian	SW	28.48
Vatnajökull NP, Iceland	North American	W	23.82
	Eurasian	E	18.45
Mid-Atlantic ridge, near Azores	African	NW	18.40
	Eurasian	NE	21.44
	North American	W	21.43
Lake Baikal, Baikal Rift Valley	Eurasian	NW	28.16
	Amuria	SE	28.29
Volcán de Colima, Mexico	North American	SW	8.88
	Cocos	NE	56.87
Gareloi Island & Volcano, Aleutian Islands	North American	SE	24.36
	Pacific	NW	58.35

Source:

<https://www.unavco.org/software/geodetic-utilities/plate-motion-calculator/plate-motion-calculator.html>