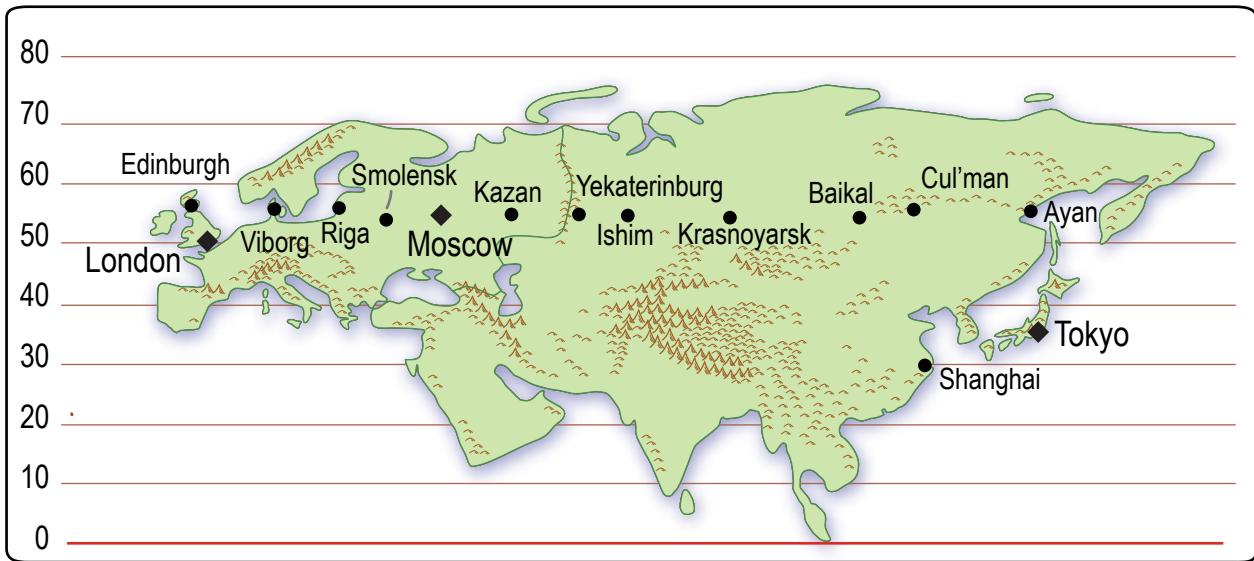


Continentality - The Effect of Land Size on Temperature Range



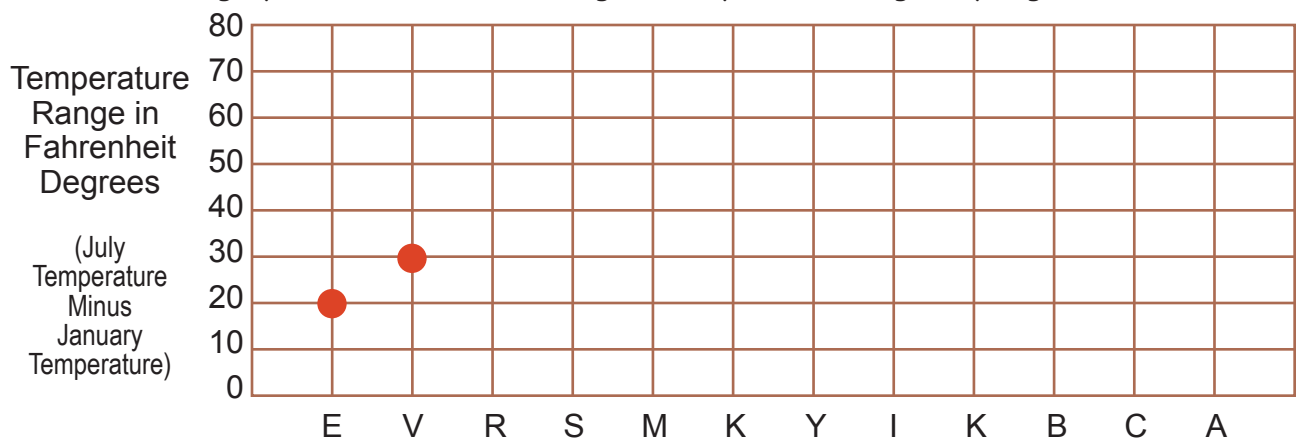
Weather station	E	V	R	S	M	K	Y	I	K	B	C	A
January Temp. °F	38	32	23	17	13	8	4	3	1	-8	-32	-2
July Temp. °F	58	61	64	63	65	67	64	67	66	59	51	56
Elevation, feet	130	170	120	790	500	410	780	310	640	1550	2770	30
Precipitation, in.	31	28	25	25	24	19	17	15	17	20	16	27
RANGE	<u>20</u>					<u>52</u>						

1. Calculate the annual **temperature range** for each station.

Definition: **Temperature range** is the difference between January and July average temperatures.

Write your answers on the bottom lines of the table (two of them are done)

2. Finish this graph to illustrate the change in temperature range as you go across Eurasia.



3. These places are all at the same latitude. They get the same amount of energy from the sun. Dry land, however, heats and cools much faster than water does. (A science teacher would explain this fact by saying that water has a higher **specific heat** than land.) Write an essay to explain the pattern of temperature as you go W-to-E across Eurasia.