

Name:

Klasse:

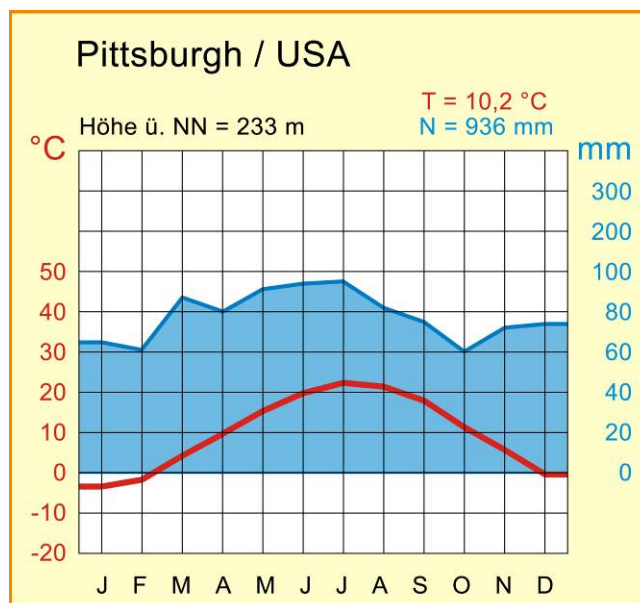
## USA – Factors Influencing the Climate – Solution

1. If you take Hawaii and Alaska into account the U.S. includes almost every climatic zone on the planet. Explain following climate influencing factors using the information given below and in your school book.

<b>Latitude</b>	<i>e.g. Las Vegas in the south has a significantly higher average annual temperature than Salt Lake City farther north.</i>
<b>Size of the Country</b>	<i>Great landmasses heat up more during summer and cool down more in winter (see climate graph of Rapid City).</i>
<b>Land-locked or Costal Region</b>	<i>Coastal regions have higher amounts of precipitation than the interior of a country (see San Francisco and Salt Lake City).</i>
<b>East or West Coast of a Continent</b>	<i>New York City has almost double the amount of precipitation than San Francisco.</i>
<b>Mountains running from North to South</b>	<i>Windward and leeward areas with higher or lower precipitation (see Rapid City vs. Pittsburgh).</i>

2. Create a complete climate chart of Pittsburgh. Transfer the missing values into the diagram.

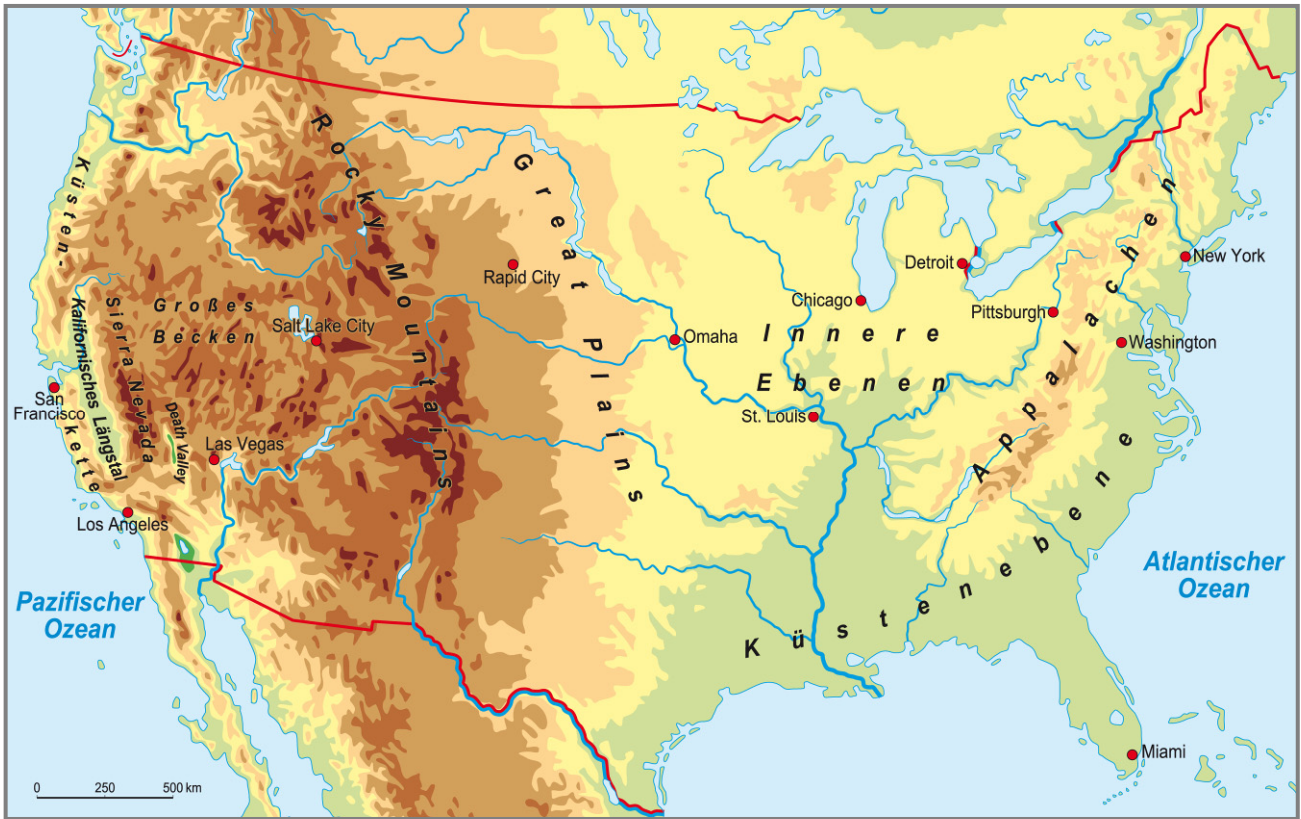
Pittsburgh	J	F	M	A	M	J	J	A	S	O	N	D	Year
T in °C	-3,3	-1,8	4,1	9,8	15,3	19,9	22,3	21,4	17,7	11,3	5,7	-0,3	10,2
P in mm	65	61	87	80	91	94	95	82	75	60	72	74	936



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3. Fill in the climate diagrams with the correct city names. Keep the altitude of the cities in mind. Use the map for guidance.



Rapid City ♦ Salt Lake City ♦ New York ♦ Las Vegas ♦ Miami ♦ San Francisco

