

**SOCIAL STUDIES**

**5. WEATHER AND CLIMATE**

**GRADE: V DATE: 24.7.20**

**I.ANSWER THE FOLLOWING**

**1. Why do places near the equator receive more heat than those near the poles?**

 Places near the Equator receive more heat because the Sun‘s rays are vertical near the Equator and are spread over a larger area.

 Therefore, places near the poles receive less heat.

**2. Why does Chennai have a moderate climate?**

Chennai is near the sea coast and has a moderate climate.

**3. What is difference between land breeze and sea breeze?**

* Land breezes come from land while sea breezes come from the ocean or other large bodies of water.
* The key difference is due to the property of water to retain heat and warm up longer as compared to land.
* Land breezes are also known as off-shore winds while sea breezes are also called on-shore winds.

**4. How do winds influence the climate of a place?**

 Winds have a major influence on the climate of a place. Winds coming from hot regions increase the temperature, while those coming from cold regions decrease the temperature of the place.

Sometimes winds bring clouds with them and cause rainfall.

**5. Write the difference between**

a. Climate and weather

b. Moderate climate and extreme climate

a.

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| **Weather** | **Climate** |
| Weather is a condition of air temperature, air pressure, wind, humidity and rainfall in the atmosphere at a given place and time. | Climate is the weather conditions that prevail over a large area and for a long period.The climate of a place remains more or less the same, year after year. |

b.

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| **Moderate climate** | **Extreme climate** |
| Places that are neither very hot in summers nor very cold in winters have moderate climate. | Places that are extremely hot in summers and extremely cold in winters have an extreme climate. |
| Places such as Chennai, which is near the sea coast have a moderate climate | Places such as Delhi ,which is far away from the sea coast ,have an extreme climate. |

6. Draw and describe the climatic conditions of each heat zones.



The heat zones on the Earth are

1. Torrid zone

2. Temperate zone and

3. Frigid zone

**Torrid Zone**

* It is hot and humid throughout the year.

**Temperate Zone**

* It is neither very hot nor very cold.

**Frigid Zone**

* It remains cold throughout the year.