 Grade Eight ( A + B )

Name: The Climate / 2 /2023

\***Weather** : the atmospheric conditions in short period of time .

\***Climate** : the average weather for a specific region (area) and time period .

\*\***Factors that determine the climate changes** :

1-Distance from the equator البعد عن خط الاستواء

2- Closeness to oceans & major water bodies . القرب من المحيطات والمسطحات المائية

3-Geographical conditions العوامل الجغرافية( التضاريس)

**\*\*Forces that cause climate change :**

1. Earth’s orbit مدار الارض
2. Solar radiation الاشعاع الشمسي
3. Green house & gas concentration تركيز الغازات وظاهرة البيت الزجاجي(الدفيئة او الاحترار العالمي )

\*Comparison between the climate zones :

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Polar zone** | **Tropical zone** | **Temperate zone** |
| **Location** | **Near the north and south poles** | **Near the equator** | **Between the tropical and the polar zone** |
| **Climate** | **Cold climate** | **The hottest climate** | **Cold winter and warm summer** |
| **Example** | **Tundra** | **Amazon forests**  **(rain forest)** | **Mediterranean** |

**Desert** : 1) Little rain fall.

2)High temperature during summer days, low at night.

**Grasslands:** - not as dry as deserts.

-cold night, warm days**.**

- grasses are very common in this zone .

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