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| **Vocabulary Word** | **Information** | **Picture** |
| Rotation | Causes Day & Night  Takes 24 hours  Earth’s motion on axis |  |
| Revolution | Causes Seasons  Equation:  Tilt + Distance + Revolution + Rotation |  |
| Elliptical | Shape of a planet’s revolution |  |
| Weather | Day-to-Day  Current Conditions  Not based on location |  |
| Climate | Based on location and a collection of data over years |  |
| Ozone | A layer over Earth  Filters UV rays  Located in the stratosphere  Allows us to live on Earth |  |
| Land Temperatures | Retains heat longer  Cools down quicker |  |
| Water Temperatures | Takes longer to heat up |  |
| Troposphere | Location of weather | Right above Earth |
| Stratosphere | Location of ozone | Right above the Troposphere |
| Thermosphere | Hottest Layer  Ionosphere and Exosphere | Above Mesosphere |
| Atmosphere | 78% Nitrogen  Contains 4 layers |  |
| Solar Radiation | How the sun heats the Earth |  |
| Relative Humidity | Amount of water vapor in the air in relation to the amount that location can hold based on air temperature | Cold air = smaller volume capacity  Warm air = larger volume capacity |
| Dew Point | When the amount of water reaches the temperature required to cool down the air |  |
| Isotherm | Mapping based on the same temperature |  |