|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ocean next to mountain | Sea breeze blows air towards the mountain | Warm, moist air rises | Moist air cools | Water vapor condenses to form clouds |
| Large amounts of condensation leads to precipitation | Dry air descends | Air warms up | Warm, dry air causes evaporation of water from soil | Desert forms |
|  | | | | |