**Unit 13- Deserts and Wind**

**Objectives and Vocabulary**

**Objectives:**

* Describe how running water affects deserts
* Explain the role of mechanical and chemical weathering in the desert
* Explain why flash floods occur in the desert
* Locate the Colorado Plateau, Basin and Range, and Sierra Nevada regions on a map
* Define alluvial fan and playa lake
* Describe and locate on a diagram desert features in the Southwestern United States located in the Colorado Plateau region including plateaus, mesas, butte, monocline, hogback, and cuesta
* Describe and locate on a diagram desert features in the Southwestern United States located in the Basin and Range region including playa lake, faults, alluvial fans, bajada, and pediment.
* Describe two ways that wind can cause erosion
* Explain the process of deflation
* Identify and differentiate types of landforms that are deposited by winds
* Describe different types of sand dunes and identify types of sand dunes using a diagram
* Identify the sand dune that can reach the greatest height.



**Vocabulary:**

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| --- | --- | --- | --- | --- |
|  | Alluvial fan | Playa lake | Mesa | Butte |
| Monocline | Hogback | Cuesta | Fault | Bajada |
| Pediment | Deflation | Desert pavement | Loess | Sand dune |
| Barchan dune | Transverse dune | Barchanoid dunes | Longitudinal dunes | Parabolic dunes |
| Star dunes |  |  |  |  |