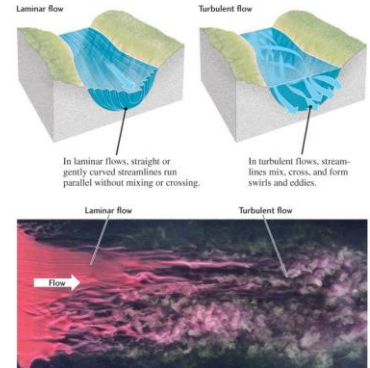


SHAPING EARTH'S SURFACE: STREAMS, COASTLINES, AND WIND

Streams

Laminar flow is _____

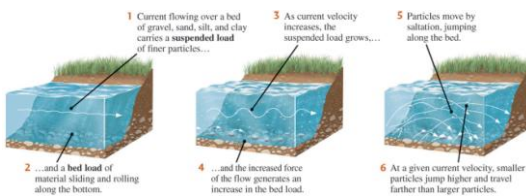
Turbulent flow is _____



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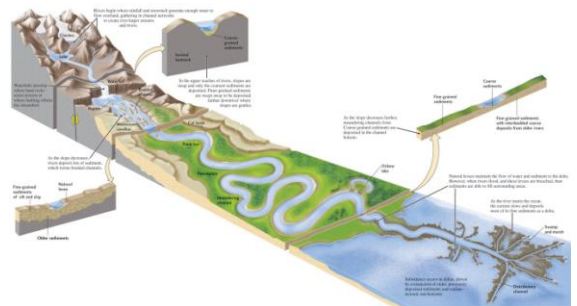
Streams transport sediment

- 1) Bedload transports _____ grain size; suspended load transports _____ grain size
- 2) Higher velocity streams transport (more/less) sediment



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Profile of a stream: notice how the channel form changes downstream



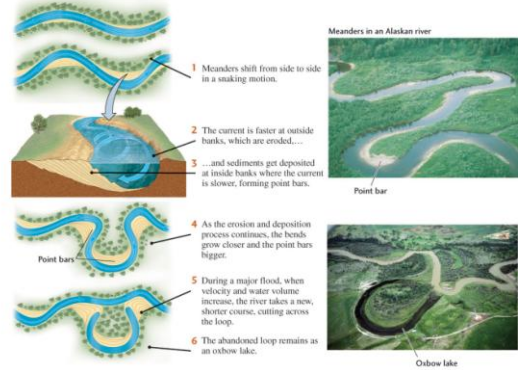
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Meandering stream



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Formation of an oxbow lake



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Incised meanders form when the surrounding land (rises/falls) due to tectonics



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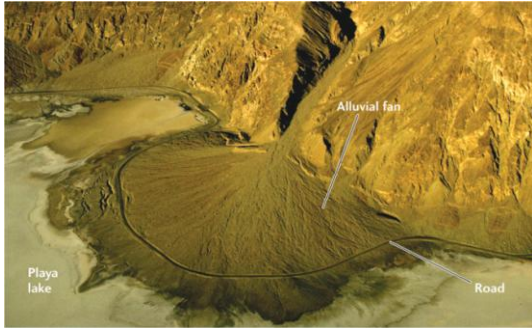
Braided streams



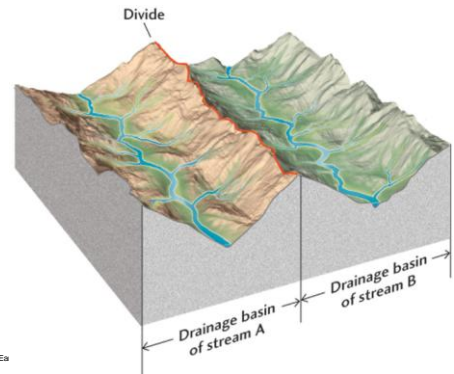
Jordan, The E

Braided channels

Alluvial Fans



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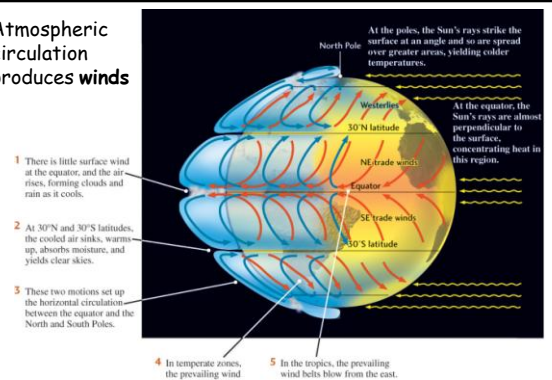


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Atmospheric circulation produces winds



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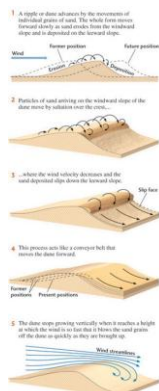
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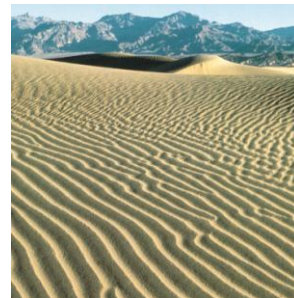
How a dune forms

-sand moves by saltation
which is the ____ of a
particle



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Ripples are small scale dunes



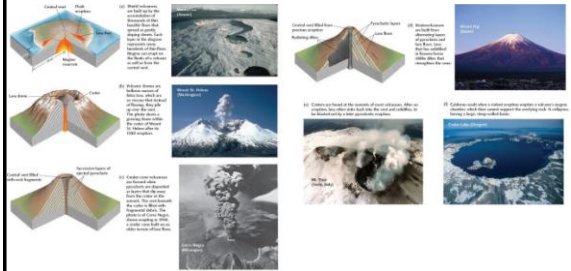
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Volcanoes are landforms produced by processes (inside/outside) Earth



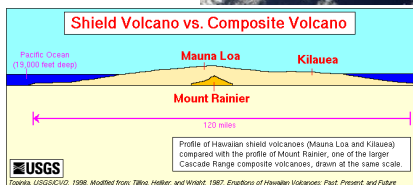
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Volcanic landforms: Shield volcano, Strato volcano, cinder cone, lava dome, caldera



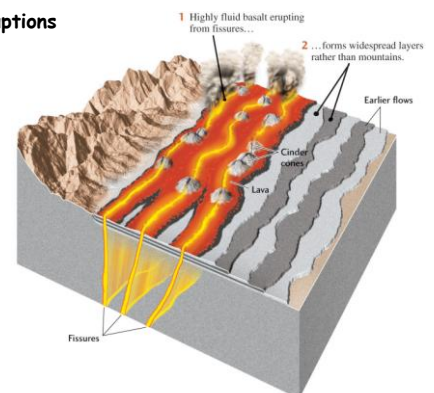
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Mauna Loa, Hawaii is a shield volcano

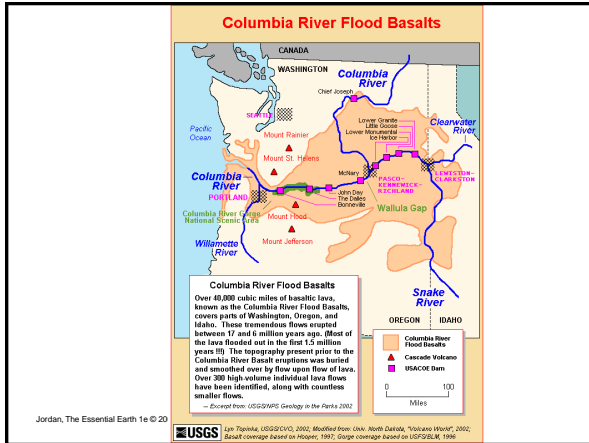


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Fissure eruptions

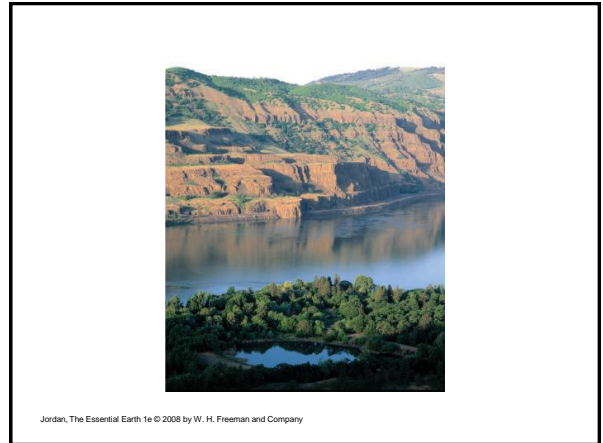


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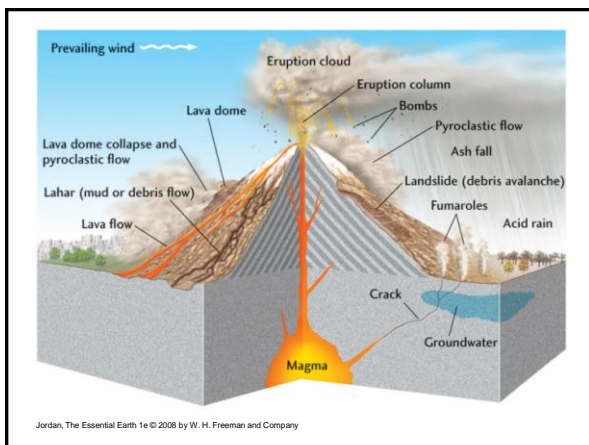


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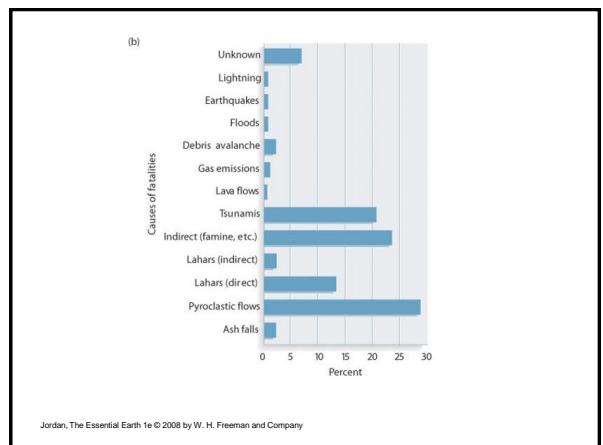
Lynn Topinka, USGS/CVO, 2002; Modified from Osk. North Dakota, "Volcano World", 2002; Basalt coverage based on Hooper, 1997. Slope coverage based on USGS/BK, 1999



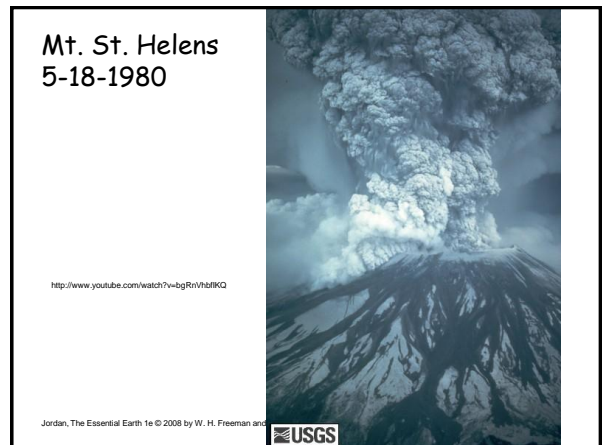
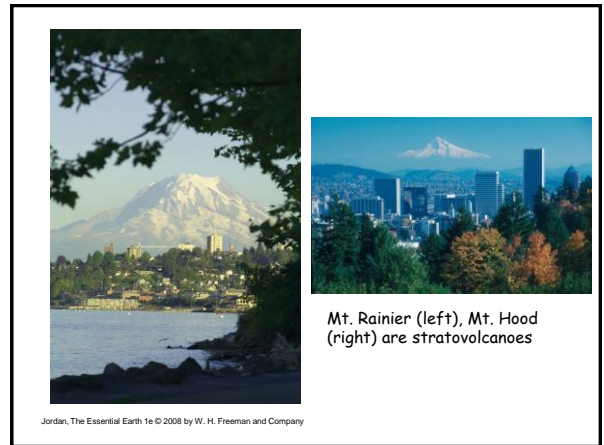
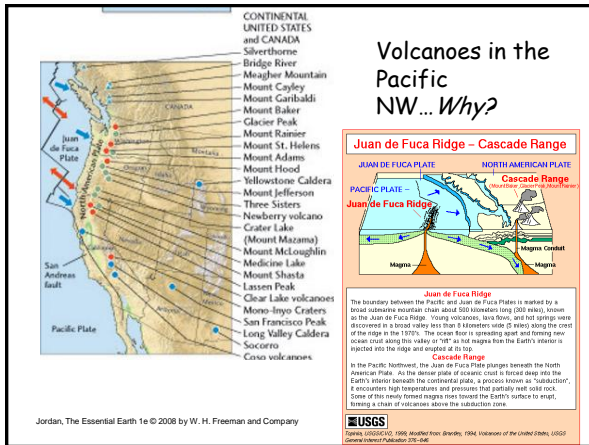
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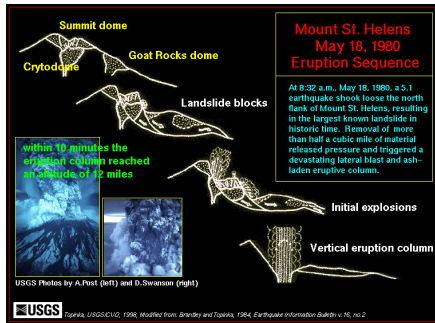


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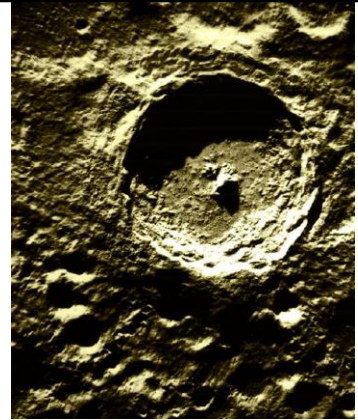
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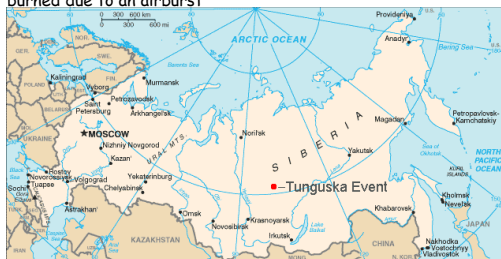
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Impact Craters

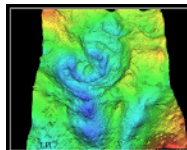


Tunguska event June 30, 1908

770 square miles of forest flattened and burned due to an airburst

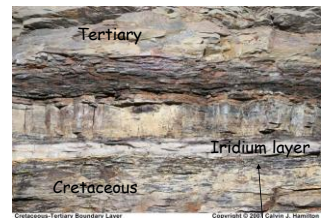


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Tektite

Chixilub Crater, Mexico (65 Million Years Ago)



Tektites

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