Erosion in Rivers Lifecycle

Do New: Packet (Review Erosion-Deposition).

Discharge - Amount (volume) of water

- Spring snowmelts ↑ discharge
- Precipitation ↑ discharge

River's Lifecycle:

Young (new)
- A lot of water
downcutting
- "V" shape
- Steep, fast
- Steep slopes
- Waterfalls
- Erosion dominates

Mature (middle-aged)
- Meanders (curves)
- Less water
- Slower
gentler slope
- A
  - Deposition
  - Fast erosion
- B
  - Fast erosion
- Deposition

Old
- Very slow,
much less water
- Ox-bow
  - Lakes form
- Side-to-side erosion
  - Shallow
  - Flooding Plains
  - Flat slope