

FLOODS



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Are the result of prolonged rainfall from a storm , rapid melting of large amounts of snow , or rivers which rise up their levels of water



FLOODS

- The river overflowed in several places and huge areas of farming land are now several feet under water . Boats are being to rescue people in nearby villages.



WHAT CAUSES FLOODS?

- Heavy rainfall
- Huge snow melting
- Failures of dams , barrages etc.,
- Landslides causing blockage of river
- Deforestation
- Storms in the sea



THE TWO MAIN FLOODS

FLASH FLOODS

- Flash floods occur when heavy rainfall persists for only a short time period (usually only a few hours), yet can cause major damage and death due to their sudden arrival.
- Flash floods can also be caused by dam bursts or overflows.

RIVERINE FLOODS

- Riverine floods occur when water rises above its natural banks, often caused by snowmelts in combination with prolonged and heavy precipitation.
- Riverine floods take days, weeks, or months to rise to its max and return to normal, much longer than it takes a flash flood to.

WHERE DO FLOODS OFTEN OCCUR?

- **Floods occur all over the world, except for in Antarctica. Highlands are also unlikely to be struck by flooding.**
- **They often occur in urban areas where water cannot drain into the soil properly.**
- **Floods usually affect floodplains, low lying, flat areas near large bodies of water.**



DESTRUCTION BY FLOODS

- Floods can cause major structural damage to buildings, kill plants and animals, destroys habitats, and removes soil.
- Floods cause many deaths and drown many plants and crops, and hundreds of millions of dollars in damage.
- Many nutrients in topsoil are brought downstream deposited in the ocean.

DESTRUCTION BY FLOODS



OTHER FACTS

- Floods account for 40% of all deaths caused by natural disasters.
- In an average year, floods account for about 200 deaths and \$2 billion of damage in the U.S. alone.
- In 1937 floods removed 300 million tons of topsoil in the Ohio Valley.
- The flood of Huang river of 1887 killed over a million people



THANK YOU FOR YOUR ATTENTION

