

## Costa Rica s Volcanoes

- " Costa Rica has 112 volcanic mts.
- " 5 active volcanoes
  - " Poás
    - " 3000 ft. circumference
    - " 900 ft. deep
    - " called dormant - mostly gas escapes
    - " in Alajuela
  - " Irazú - in Cartago province
  - " Rincón de la Vieja - in northern Pacific
  - " Miravalles - geothermic power source in Guanacaste
  - " Arenal
    - " one of the most active in the world
    - " means sandpit
    - " Guatosos indians - means god of fire
    - " active since 1968
    - " July 21-23, 1968 - volcanic activity began, destroying villages, 81 people died
    - " pyroclastic activity - hot gases and ash
    - " size of falling rocks = 10x6x4 m
    - " speed - 500 mph
    - " more than 2000°F
    - " Tabacón river got warmer before eruption
    - " 4 craters formed - A, B, C, D
      - " A is biggest - inactive
      - " C and D - active
      - " lava flow = C
      - " gas = D
    - " Chato volcano = Arenal s brother
      - " smaller
      - " last activity 3500 years ago
      - " elongate volcano
      - " 38,000 years old