

Read the text about the job of a hydrologist and fill in the gaps with the appropriate words from the box.

investigations evaporate flooding availability leaking irrigated precipitation hazardous rugged consequences

What Do Hydrologists Do?

Hydrologists study how water moves across and through the Earth's crust. They study how rain, snow, and other forms of (1) impact river flows or groundwater levels, and how surface water and groundwater (2) back into the atmosphere or eventually reach the oceans.

Hydrologists apply scientific knowledge and mathematical principles to solve water-related problems in society: problems of quantity, quality and (3) They may be concerned with finding water supplies for cities or (4) farms, or controlling river (5) or soil erosion. Or, they may work in environmental protection: preventing or cleaning up pollution or locating sites for safe disposal of (6) wastes.

Persons trained in hydrology may have a wide variety of job titles. Scientists and engineers in hydrology may be involved in both field (7) and office work. In the field, they may collect basic data, oversee testing of water quality, direct field crews and work with equipment. Many jobs require travel, some abroad. A hydrologist may spend considerable time doing field work in remote and (8) terrain. In the office, hydrologists do many things such as interpreting hydrologic data and performing analyses for determining possible water supplies. Much of their work relies on computers for organizing, summarizing and analyzing masses of data, and for modeling studies such as the prediction of flooding and the (9) of reservoir releases or the effect of (10) underground oil storage tanks.