

How does a septic system work?

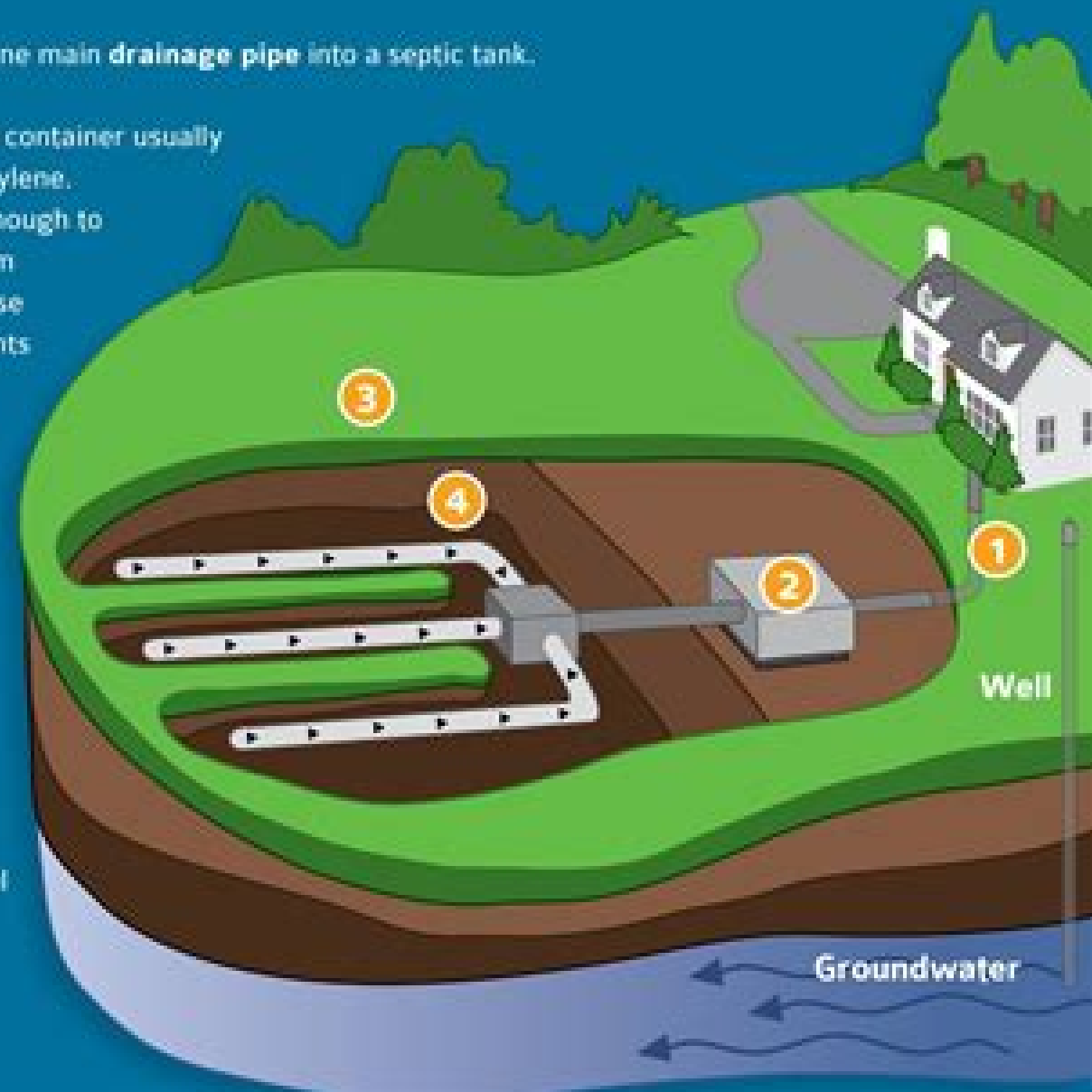
This is a simplified overview of how a septic system works.

1 All water runs out of your house from one main **drainage pipe** into a septic tank.

2 The **septic tank** is a buried, water-tight container usually made of concrete, fiberglass or polyethylene. Its job is to hold the wastewater long enough to allow solids to settle down to the bottom (forming sludge), while the oil and grease floats to the top (as scum). Compartments and a T-shaped outlet prevent the sludge and scum from leaving the tank and traveling into the drainfield area.

3 The liquid wastewater then exits the tank into the **drainfield**. If the drainfield is overloaded with too much liquid, it will flood, causing sewage to flow to the ground surface or create backups in toilets and sinks.

4 Finally, the wastewater percolates into the **soil**, naturally removing harmful bacteria, viruses, and nutrients.



Epa Septic System Guide

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Handbook of Environment and Waste Management Yung-Tse Hung, Lawrence K. Wang, Nazih K. Shamas, 2012 This is a compilation of topics that are at the forefront of many technical advances and practices in air and water control These include air pollution control water pollution control water treatment wastewater treatment industrial waste treatment and small scale wastewater treatment Onsite Wastewater Treatment Systems Manual ,2002 This manual contains overview information on treatment technologies installation practices and past performance Introduction Water Quality Management Program, Supplemental Guidance for FY 81 United States. Environmental Protection Agency. Water Planning Division, 1980 Handbook ,1994 Item no 0431 K The Septic System Owner's Manual Lloyd Kahn, 2007 Septic systems for handling sewage have to be maintained but little information is available on the subject This manual explains how they work the potential problems that owners often encounter and how to repair them when they go awry **Handbook of Environmental Health, Two Volume Set** Herman Koren, Michael S. Bisesi, 2019-06-24 The two volume Handbook of Environmental Health and Safety has been a standard reference for over 20 years Completely revised and expanded to reflect the latest developments and discoveries in this constantly changing and evolving field the fourth edition continues to provide a basis for understanding the interactions between humans and the environment and how such interactions affect the health and welfare of individuals Each volume includes a chapter on instrumentation state of the art graphics a comprehensive bibliography and an index They are an ideal text reference for students or professionals in the environmental health and occupational safety fields **Supplemental Water Quality Management Program Guidance** ,1979 **Septic Systems and Ground-water Protection: A program manager's guide and reference book** ,1986 Handbook for Managing Onsite and Clustered (decentralized) Wastewater Treatment Systems ,2005 Septic Systems and Ground-water Protection: An executive's guide ,1986

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