WHAT WILL YOU DO WHEN A DISASTER STRIKES?

A QUICK REFERENCE GUIDE TO HELP KEEP YOU AND YOUR FOOD SAFE



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Why You Should Read This Book

- Bacteria exist everywhere in nature, even in the food that you eat.
- Most bacteria do not make you sick, but some can cause foodborne illness.
- Most cases of foodborne illness can be prevented through proper cooking or processing of food, which kill the bacteria.
- When a disaster strikes, there is an increased risk of getting a foodborne illness. Power outages make it hard to keep food cold enough and make it difficult to properly heat. Flood waters or environmental substances may contaminate food in your home making it harmful to eat.



This booklet will explain how to prepare for a possible disaster, with a special emphasis on keeping your food safe during and after a disaster.

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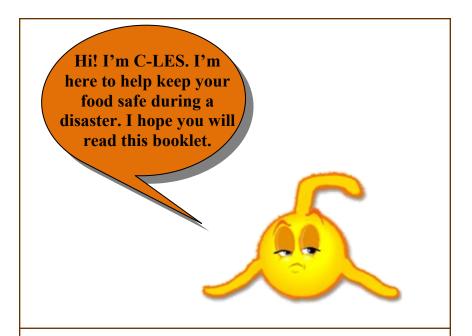
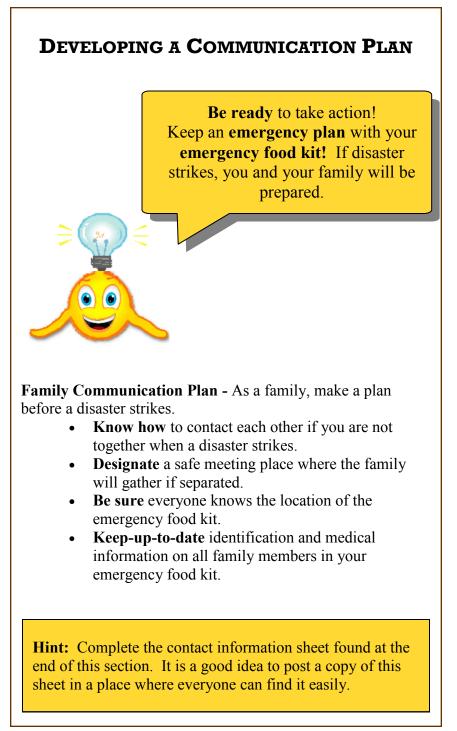


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Shelter

- **Know** the locations of emergency shelters in your area.
- **Know** different routes to the shelter in case roads have been damaged or blocked off.
- **Identify** pet-friendly shelters where you can go if you have pets.

Work Together

- **Find out** what steps schools and your place of employment have taken to ensure everyone's safety during an emergency.
- Work with your neighbors to create a safe environment for everyone if disaster strikes.
- Ask community officials to hold an emergency drill in your area.



Follow <u>All</u> Instructions Provided on the TV and Radio or in the Newspaper. **Remember**, Your Safety is Top Priority During Any Disaster.

Emergency Contact Information
Police
Fire Department
Hospital
Red Cross
FEMA
Health Department
Work
Relatives
As a Decore
Where we will meet

PREPARING AN EMERGENCY FOOD KIT

Every family should have an **emergency food kit**. An **emergency food kit** contains enough water and food for each household member for at least 3 days and is kept in a waterproof case or carrying bag. Store the kit in a cool, dry place that is easy to access or in your emergency shelter (if you have one).

What You Should Include

Water for Three Days

• At least one gallon of clean water per person per day for drinking and hygiene.

Hint: Clean and sterilize all containers before filling.

Food for Three Days

- Dried Foods
 - Fruit, Crackers, Ready-to-eat Cereals, Powdered Milk, Beef Jerky



- Canned Foods
 - Meats and Fish, such as Tuna and Chicken
 - Vienna Sausages, Beans, Fruit, Fruit Juices, Vegetables, Soups
- High Energy Foods
 - Peanut Butter, Jelly, Nuts, Trail Mix, Granola Bars, Protein Bars, Breakfast Bars, Cookies
 - Baby Formula and Baby Food, if needed

Hint: Even if you are breast feeding, stress may keep you from producing milk.

Other Items You May Want To Include In Your Emergency Food Kit

- Prescription Drugs
- Copies of Important Family Documents
- Medical Supplies, such as a First Aid Kit and Instruction Booklet

Hint: Put the items listed above in a waterproof bag

- Flashlight or Battery Operated Lamps
- Waterproof Matches
- Paper Plates and Plastic Utensils
- Moist Towelettes and Hand Sanitizer
- Portable Radio
- Manual or Battery Operated Can Opener
- Extra Batteries

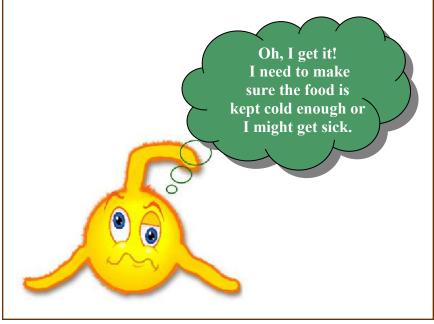


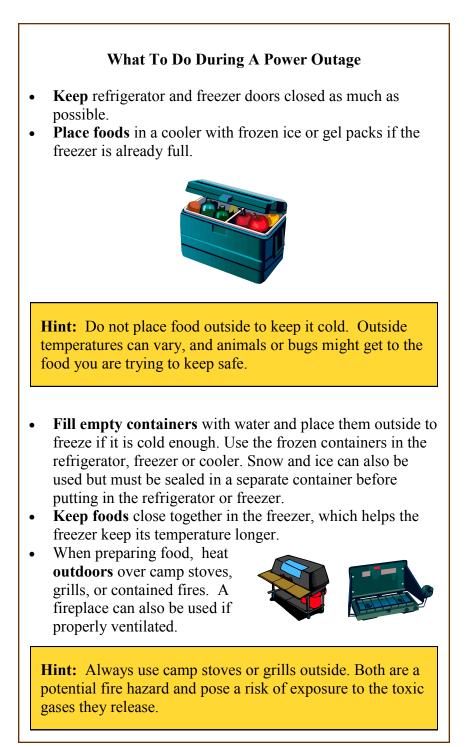
POWER OUTAGES

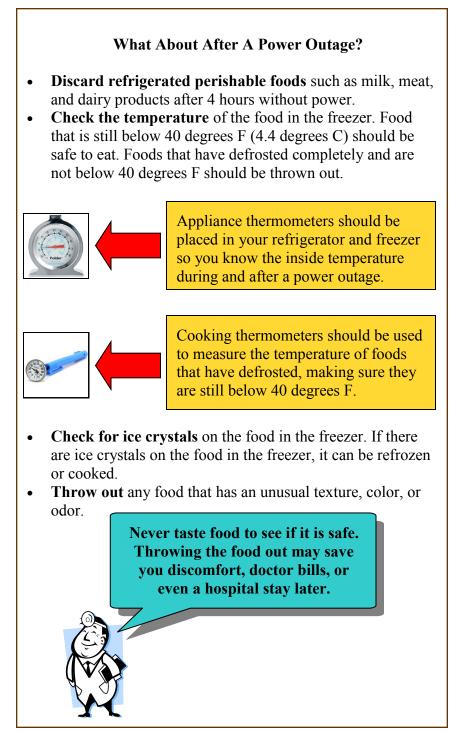
Electricity plays an extremely important role in keeping food safe. It powers the refrigerator, range, and lights. Taking the proper actions before, during, and after a power outage will help keep you and your food safe.

Preparing For A Possible Power Outage

- **Keep** an appliance thermometer in your refrigerator and freezer.
- Freeze water in thoroughly washed or new plastic containers. These can be used to keep food cold in the refrigerator, freezer, or cooler. As the water thaws, it can be used for drinking.
- Purchase a generator if possible.
- Have a cooler on hand. Put ice packs in the freezer.
- Freeze refrigerated items, such as meat, milk and leftovers, that are not going to be used immediately.







FLOODS

Flood waters are dangerous and may contain sewage or other harmful substances. It is important to take proper measures before and after a flood to ensure the safety of you and your food.

Preparing For A Flood

• Move canned goods and cooking equipment to a place out of the reach of flood waters.



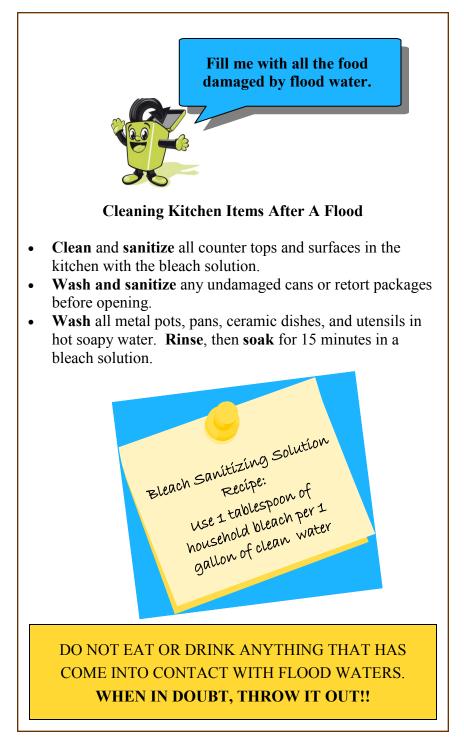
What Needs To Be Thrown Out After A Flood

• All foods that have come in contact with flood waters if they are not in a waterproof containers

Hint: Food containers that are not waterproof include: containers with screw caps, snap lids, pop tops, crimped bottle caps, cardboard cartons, and boxes.

- Cutting boards, plastic utensils, baby bottle nipples, and pacifiers; there is no way to safely clean these items after they have come in contact with flood waters.
- Canned items that have damage or rust on the outside.
- Retort packages with damaged seams.
- **Refrigerators or freezers** that were under flood water. Be sure to remove the doors so children or animals cannot be trapped inside.

Hint: Damage to cans may be swelling, leakage, punctures, holes, fractures, extensive deep rusting, or crushing/denting which would not allow you to stack or open the cans with a manual can opener.



PURIFYING WATER

What would you do if you ran out of safe drinking water in an emergency? Some water sources can be purified to kill bacteria that could cause illness, making water safe to drink.

If you need to find water outside your home to drink or use for cooking, you may be able to use rainwater or water from streams or rivers. Before performing any of these purification methods, let any particles settle to the bottom of the container and strain the water through a clean cloth or paper towels.

Disinfecting By Boiling

- Put water in a clean pot.
- Bring to a rolling boil and boil for at least 3 minutes.
- Cool the water before using unless it is being used for cooking.

Disinfecting With Bleach

- Place one gallon of water in a clean container.
- Add ¹/₄ (one fourth) teaspoon of unscented household bleach (5.25% Sodium Hypochlorite).
- Stir.
- Wait 30 minutes.
- There should be a faint odor of bleach remaining. If there is not a faint odor of bleach, repeat the procedure.

QUICK NOTE

The amount of bleach used to purify water is different than the amount of bleach used to make a sanitizing solution. Refer back to page 13 for the sanitizing solution.



AIRBORNE TOXINS AND FIRES

You may not realize it, but when a natural disaster, such as an earthquake or tornado, strikes airborne toxins may be released. These may come from dangerous gases, ashes, broken glass, asbestos, and pesticides. Depending on the wind, the toxins can be carried for many miles and affect you and your food.

Food exposed to fires can be made unsafe to eat by excess heat, smoke, and toxic fumes released from burning materials, and chemicals used to fight fires.

What Should You Do With Food And Cookware That May Be Contaminated?

- **Discard all food items** that have been near a fire or exposed to airborne toxins. This includes:
 - Foods stored outside the refrigerator, such as bread, fruits, and vegetables.
 - Raw food or food in permeable packaging, for example cardboard, plastic wrap, etc.
 - All foods in cans, bottles, and jars. While they may appear to be okay, the heat from the fire can damage the containers and can activate food spoilage bacteria, and
 - Foods stored in refrigerators or freezers. Refrigerator seals are not airtight, and fumes can get inside.
- **Sanitize cookware** exposed to firefighting chemicals by washing in soap and hot water. Submerge for 15 minutes in the bleach sanitizing solution (solution recipe on page 13).

IMPORTANT!

Chemicals and toxic fumes cannot be washed off food. The food must be thrown in the garbage.

TIPS FOR SAFE CLEANUP AFTER A DISASTER

- Get a tetanus shot before attempting any cleanup.
 - Tetanus shots are good for 10 years.
 - It might be a good idea to get a tetanus booster shot, even if you have had one within 10 years.
- Be sure to always wear gloves when cleaning after a disaster.
 - Rubber gloves for cleaning and sterilizing.
 - Heavy duty leather gloves for debris removal.
- Wear a mask to prevent you from inhaling anything harmful.
- When removing debris be sure to wear safety glasses, long pants, and shoes (preferably work boots).
- Make a new bleach solution after each use. The solution used to soak pots and pans should not be reused to clean counters.



• Be sure to wash your hands often with clean water and soap. If you do not have access to clean water you can use hand cleaners that contain alcohol.

Hint: Make sure you apply soap and rub your hands together for 20 seconds before rinsing.



• Watch out for animals, especially poisonous snakes, that may be hiding in the debris. A long stick can be used to check the debris.

Hint: If you need help with your clean up, there are different organizations and churches you can contact.

FOOD RECALLS AND FOOD TAMPERING

Food recalls are announced on TV and radio, in newspapers, and on the Internet at www.foodsafety.gov

If You Have A Food Product That Has Been Recalled:

- **Return the product** to the store or place of purchase, or
- Throw the product away. Do not eat the recalled product.

Signs Of Food Tampering

• **Broken seals** on or around the package.

•

- Safety button on the jar lid has been popped.
 - **Unusual stains** on the product—discoloration, mold, or liquid on products are signs that the product is not safe.
- Product has an unusual smell or odor.
- **Damage to the package** To see if there is damage, compare the container to other containers on the shelf.

If A Food Product Has Been Tampered With Contact:

- Local Health Department: contact information can be found in the phone book or on the Internet.
- Food and Drug Administration Hotline at: 1-301-443-1240 for Seafood, Fruit, Vegetables, Eggs, and other Non-meat Items.
- US Department of Agriculture Hotline at: 1-800-535-4555 for Meat and Poultry.

Signs of a Foodborne Illness include:

Stomach Cramps, Fever, Nausea, Vomiting, Chills, Diarrhea, and a Headache.

PREVENTING FOODBORNE ILLNESS AT HOME EVEN WHEN THERE IS NOT AN EMERGENCY



- Wash cutting boards, utensils, knives, and counter tops in hot soapy water **before**, **during**, and **after** each time you cook.
- Wash hands often during food preparation, especially before cooking and after handling raw meat, poultry, eggs, or seafood.
- Wash your fruits and vegetables before you eat or cook them.



- Separate the ready-to-eat foods from the raw foods. Store cooked foods and raw foods in different compartments in the refrigerator.
- Use different cutting boards (one for fruits and vegetables and one for raw meats, poultry, and seafood).
- **Put cooked foods on a clean plate.** Never use the same plate that held the raw food.



• Use a food thermometer to measure the internal temperature of the food. This is the only way to make sure that your food is cooked to a safe temperature. Safe temperatures can be found at: http://www.fsis.usda.gov/ Fact_Sheets/Use_a_Food_thermometer/index.asp#chart

Always Keep Hot Foods Hot And Cold Foods Cold!



- **Refrigerate or Freeze** foods within one hour to keep any bacteria from growing.
- Use an appliance thermometer to make sure your refrigerator and freezer are at the proper temperatures.
 - Refrigerator 40 degrees F (4.4 degrees C) or below
 - Freezer 0 degrees F (-17.7 degrees C) or below
- Correct ways to thaw foods
 - **Overnight in the refrigerator** (until ready to cook).
 - Under cold running water.
 - In microwave, then cook immediately.

http://www.fsis.org

