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# **Respiratory Virus Activity Booklet: Table of Content**

This booklet is dedicated to the many families in the Plain Community who, like all of us, do not have time to be sick. Each year, many respiratory illnesses (cold and flu viruses) result in time lost from farm work, other jobs, and school. Some illnesses result in medical bills or the loss of a loved one.



### Respiratory illnesses

occur every year especially in fall and winter. The Spring of 2020, a new virus (COVID-19) entered the world; it continues to make people sick across the world.

It is called a *"pandemic"* which means a disease that spreads over a wide geographic area and affects a high percentage of people.

This booklet has been created to help readers be aware of what they & their family can do to decrease respiratory illnesses that can result in mild to severe illness, life-altering medical

conditions, or in death.

# 10.000 That Seek а new body cell!

# Table of Contents:

- + Activity Pages Facts About Colds, Flu, and COVID-19 Virus---3-11.
- All About Germs---12-18.
- Ways to Boost Your Immune System----19-21.
- The Story of Smallpox and Polio Disease---21-24.
- Hazards: Cause of Harm and Increased Fear---25-27.
- Prevent Respiratory Illness (Colds, Flu, and COVID-19):
  - Wear-A Barrier-28-35. 0
  - Wash-Your Hands---36-37.  $\cap$
  - Watch-Your Distance---38-39. 0
  - Wait-At Home If Sick---40-43.
- **Reference Material for Families---44-50.**
- Back Cover---51.

This booklet is a coordinated effort to decrease respiratory illness and deaths in the Plain Community.

**Contributors include:** 

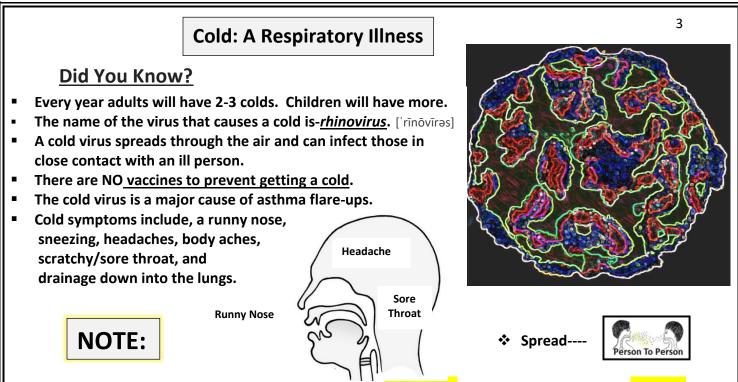
Kay Moyer-Nurse Safety Educator-Call 717-394-6851 or 717-665-6219, Dr. Keith Wright-WellSpan, "Parochial Medial Center",

Prof. Steven Nolt, English-Carolyn Nelson, Nurses, and Key Plain Community Members.

Thanks Everyone Who Helped Create This Booklet!





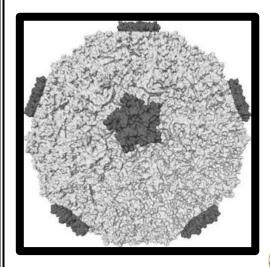


- A cold begins in 1-3 days after exposure. A person is <u>contagious</u> 1 day before illness & for <u>5-7 days</u>.
- There are about <u>200 different cold viruses.</u>
- The virus attaches to the cells inside the nose and throat causing inflammation and "miserable" feeling.
- Your body makes a protein called an antibody to resist that cold virus. The antibodies will destroy the virus. However, it takes 7-10 days to make enough antibodies to end the illness.

<u>The good news</u>—after a cold, your immune system will remember that virus. If you are exposed later to the same cold virus, your immune system will quickly make enough antibodies to destroy the virus before you become sick.

According to the Collins dictionary, antibodies are protein substances that the body produces (in the blood) to destroy germs.

The bad news—there are\_another 199 different cold viruses to go. Your immune system forms antibodies only after illness. <u>Read more about antibodies on pages 21 & 22</u>.



# **Researchers Suggest:**

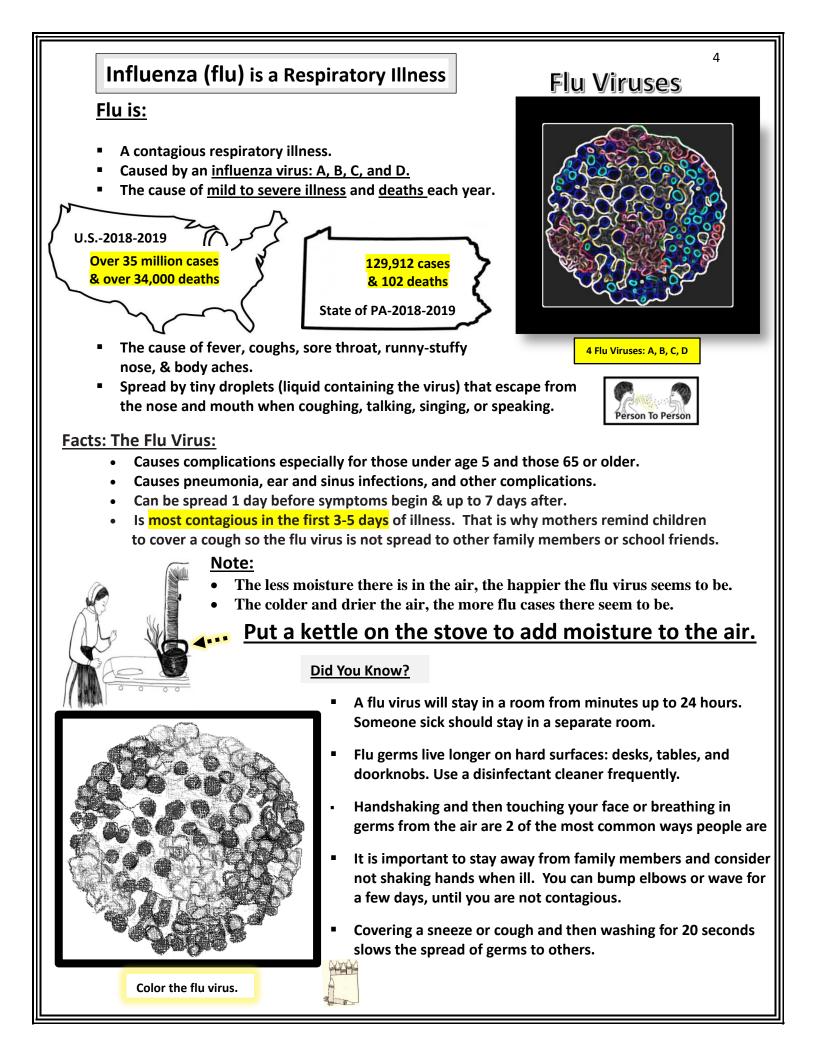
- The cold virus duplicates better in cooler temperatures.
- When we are sick with a cold, it is better to keep your nose warm, because a cold virus makes more copies of itself in cold air.
- Germs make a person sick, not cold weather. Avoid exposure to a cold, flu, or COVID virus to prevent getting sick.

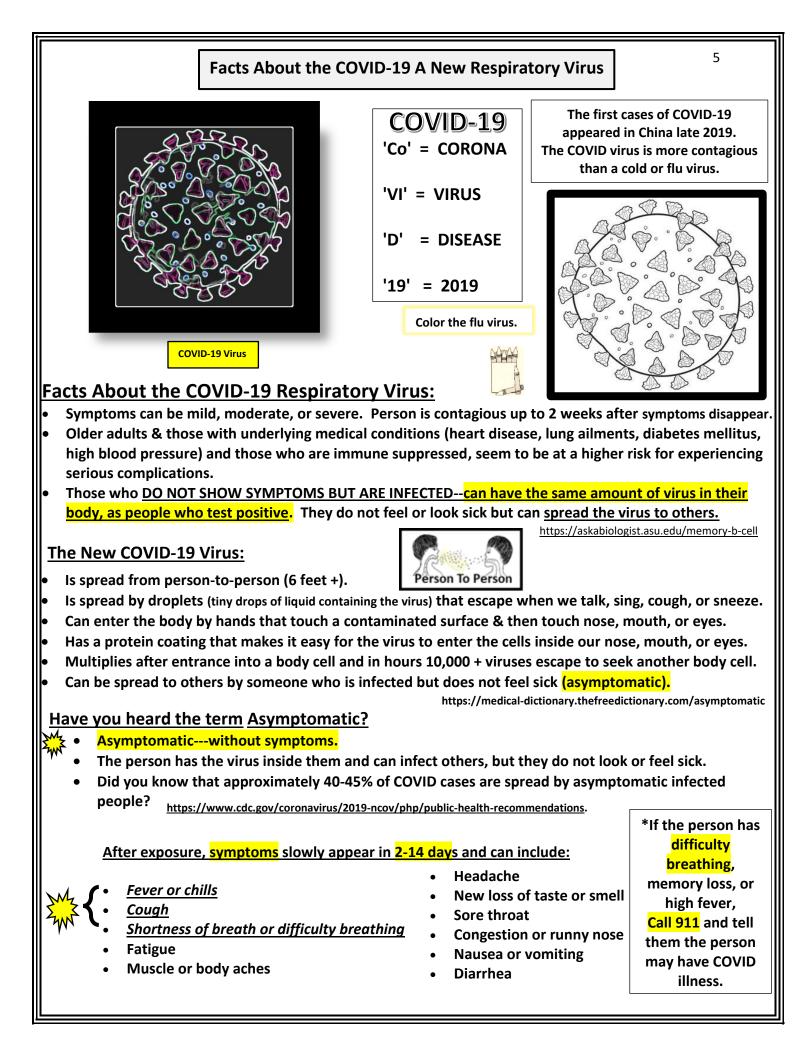
https://www.cdc.gov/dotw/common-cold/index.html

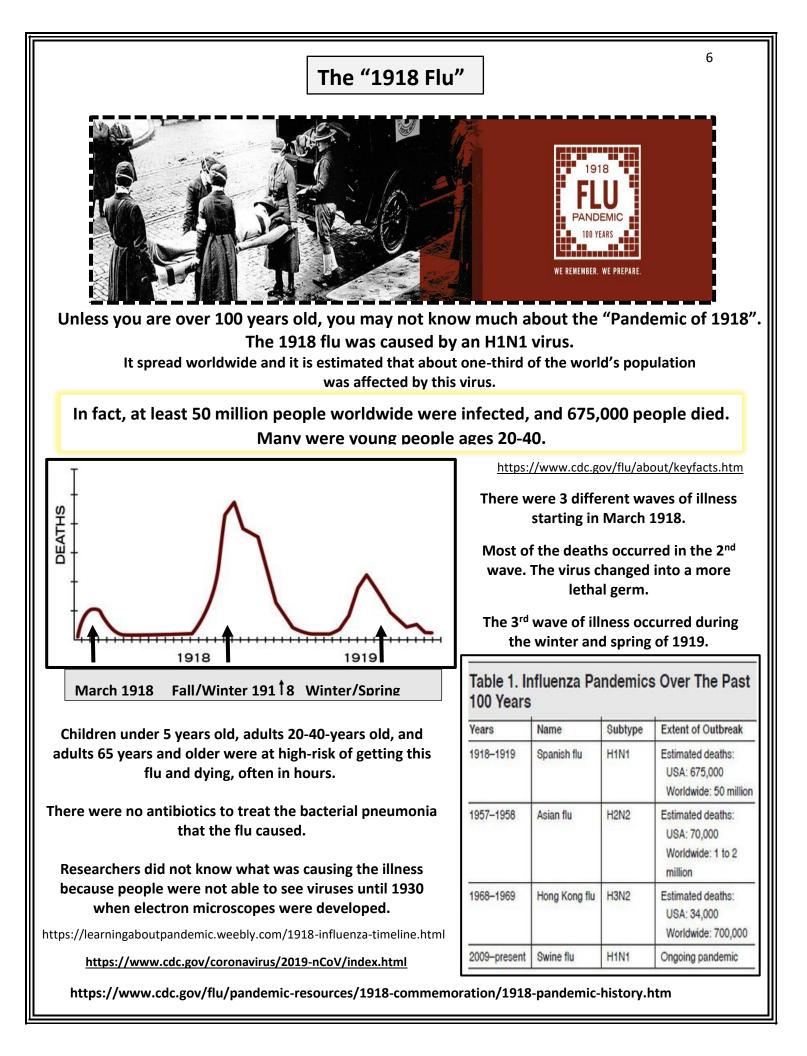
https://www.nih.gov/news-events/nihresearch-matters/understanding-common-

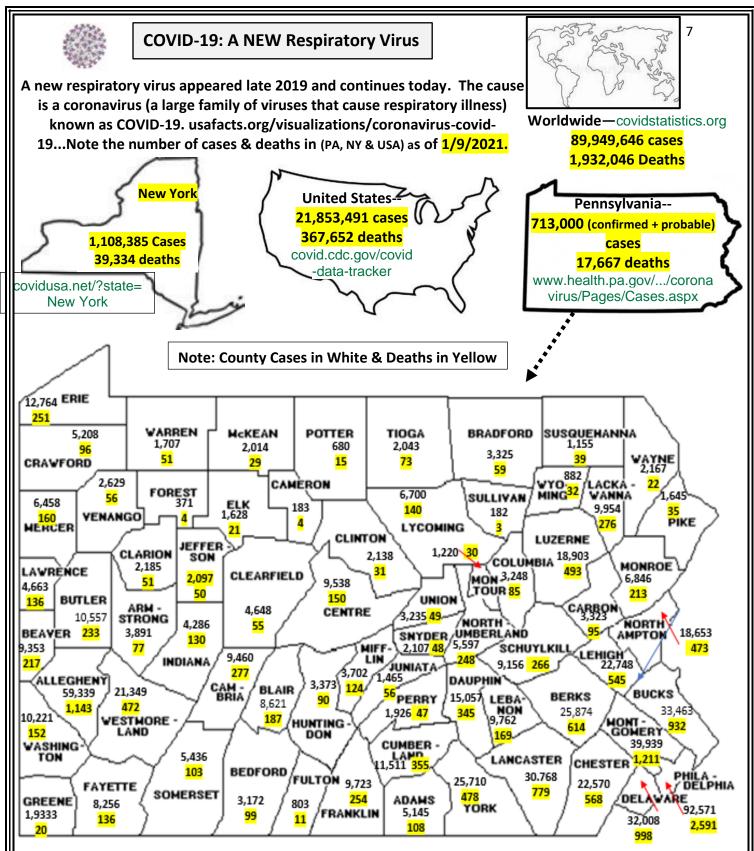
Color the flu virus.











# Many who survived a COVID illness:

- Needed extensive hospital care and some were in the hospital for weeks to several months.
- Needed assisted breathing and were on a ventilator for weeks.
- Needed a longer time to recover, after the illness, compared to the flu— (weeks to months).
- Were left with life-long physical and/or mental handicaps---damage to heart, kidney, brain, or lungs.

COVID-19 that's worrying experts even after people recover (msn.com)



# **COVID-19: A NEW Respiratory Virus Continued**

Over 1,000 nurses and doctors got sick and lost their lives caring for patients!

We are thankful for all the nurses and doctors who day after day give very sick patients, many on a ventilator, expert care. The best way to <u>"Thank Them"</u> for their sacrifice is to use preventative actions to avoid needing medical care for a COVID infection.

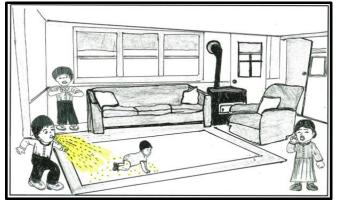


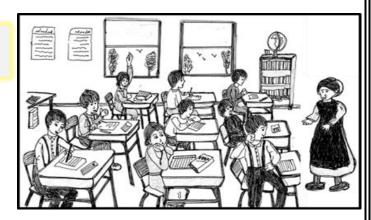
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You might have heard people say, "I'm tired of staying at home" or "I don't want to hear more about COVID-19". However, respiratory viruses do not just go away. They cause illness each year fall to spring.

Some reasons cold, flu, and COVID illness occur more in the fall through spring Include:

- We spend more time during cold weather indoors, in close contact to others.
- Windows and doors are kept closed, so there is less ventilation, which results in a higher concentration of viruses circulating in homes, schools, stores, and worksites.





Winter heat makes the air dry, which is what a cold, flu, or COVID viruses like. So, put a kettle of water on the stove to add some moisture to the room.



Having a weakened immune system from a recent cold or flu, will increase the risk getting infected if exposed to the COVID-19 virus.

### Did you know that some people were infected with COVID a second time?

- A new study released November 20, 2020 by the Oxford University in England, showed that people who recovered from a COVID infection <u>DO HAVE</u> protective antibodies (Memory Cells) in their blood, that will recognize and destroy a 2<sup>nd</sup> COVID exposure. <u>The question is how long do they have Memory Cells that could</u> <u>prevent another infection?</u>
- This new research indicates that antibodies to COVID only last <u>around 6 months</u> after illness.
  See article (<u>COVID-19 reinfection unlikely for at least six months after recovery, study finds UPI.com</u>)
- Some diseases (like measles) may result in a life-time immunity, but several studies as above, show there is no lasting immunity---only a few months after surviving a COVID infection.
- \* A COVID vaccine could provide antibody protection to prevent a COVID illnesses.

https://www.cdc.gov/flu/about/keyfacts.htm

https://www.cdc.gov/coronavirus/2019-ncov/php/public-health-recommendations. https://askabiologist.asu.edu/memory-b-cell

The summary below has been adapted from a community chat about COVID-19 virus. The chat was written up by an Assistant Professor from the Infectious disease department at Johns Hopkins University.

# The New COVID-19 virus is:

- Not a living organism and can only multiply after it enters a body cell.
  - A protein molecule covered by a protective layer of lipid (fat)
  - Able to attach to cells in our eyes, mouth, and nose where it enters a cell and multiplies.
  - Not killed, but it decays on its own, depending on the temperature, humidity, and type of material where the virus lands.

<u>Very fragile</u>; the only thing that protects it, is a thin layer of fat. That is why any soap or detergent is the best remedy. Soap (CUTS the fat). In 20 seconds, soap and water break down the virus protective coating, before it can attach and multiply.

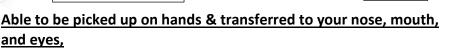
- HEAT melts fat. That is why it is a good idea to use hot water when washing hands, clothes, and surfaces. Hot water makes more foam which is more effective in dissolving the fat protective covering.
- Broken down by alcohol or any mixture with alcohol over 60%. Alcohol DISSOLVES ANY FAT, especially the protective lipid layer of the virus.
- Any mix of 1-part bleach and 5-parts water will dissolve the protein (fat) layer & breaks the virus down from the inside.

**Dissolve the fat** protective layer: Destroy the virus!

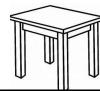
GERM GOOEY

RUB

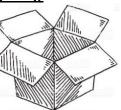




- Not destroyed by a BACTERICIDE because a virus is not a living organism like a bacterium. Antibiotics can only destroy a bacterial infection.
- Not broken down quickly when the virus lands on surfaces in the environment. The virus can be on surfaces for hours: <u>3 hours</u> (fabric and porous surfaces), 4 hours (copper and wood), 42 hours (metal) and 72 hours (plastic).







# John Hopkins University Summary Continued

# The New COVID-19 virus is:

- Able to float in the air up to 3 hours and can lodge and attach to cells in our nose, eyes, and mouth.
- <u>Very stable</u> (not broken down) in <u>external cold</u> and in <u>air-conditioned</u> homes, work sites, and even in air-conditioned cars or trucks.
- Very stable (not destroyed or broken down) if the environment is dry and warm.
- <u>Very stable in an environment that is dark</u>.
- Broken down when the virus is exposed to UV light.
- Not able to go through healthy skin.

Amount of Virus

In Nose, Mouth, Eyes

- Not destroyed by VINEGAR because vinegar does not dissolve the fat layer.
- More concentrated in a confined small space (like a school room or small workshop) than in a bigger space like a barn, shed, or big building.
  - Found in less amounts in an environment where there is more natural VENTILATION.
  - Able to hide in small cracks in hands. Keeping hands moisturized prevents the virus molecules from hiding in the small cracks.

• Able to live under fingernails, so <u>keep your NAILS short</u> so the virus cannot hide there.

# **Research shows that**

the <u>amount of virus</u> X'S <u>the length of exposure time</u> = the risk of illness.

Length of Exposure Time

(minutes vs hours)





How Sick

(mild, moderate, severe)





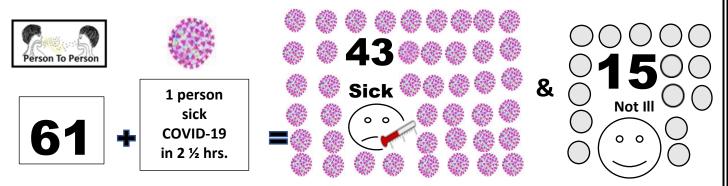
Your

Risk

# A True Story: How One Person Spread COVID-19

Centers for Disease Control and Prevention (CDC) reported that in Washington state, one-person who was sick with COVID-19, attended 2 & ½ hours of choir practice in March. Here is what happened.

There were 61 people who attended, and 43 people (87%) became ill with COVID-19.



61 @ Choir Practice for 2 &1/2 hours + 1 sick COVID Virus = 43 Ill out of the 61.

### Facts:

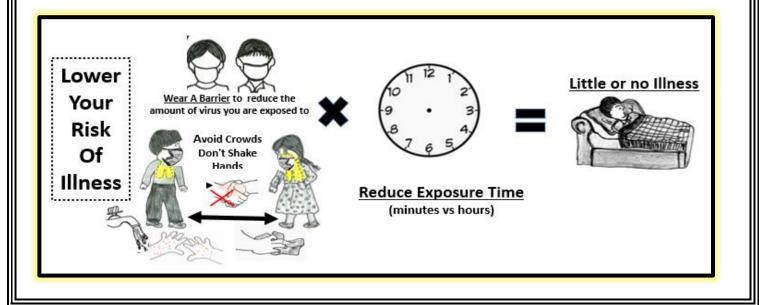
- There was no physical contact between each person, but they sat close together.
- The chairs were 6-10 inches apart. Only a few seats were kept empty between chairs.
- The choir broke into 2 groups and had close contact for 45 minutes.

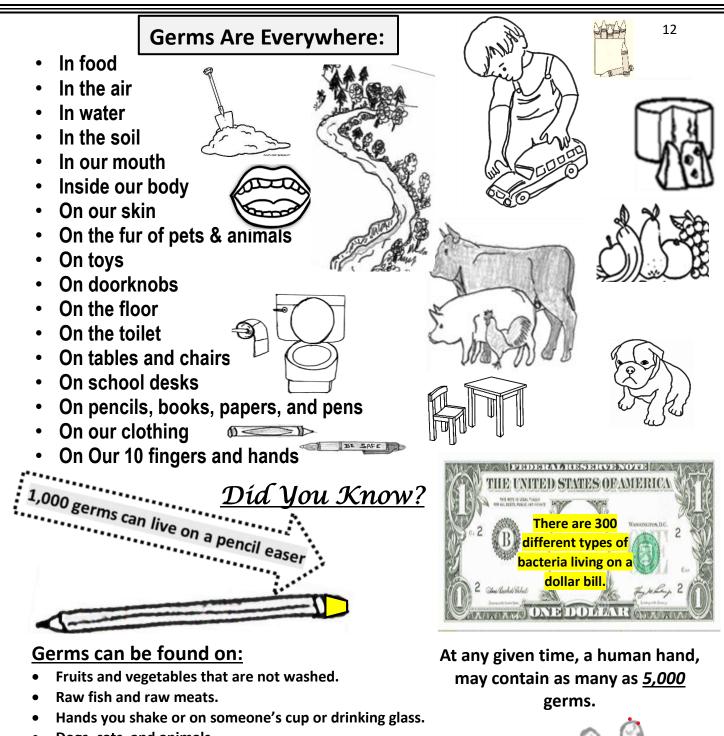
### **Respiratory viruses:**

- Escape from the nose & mouth in small droplets (tiny drops of liquid containing a virus)
- Exit our mouth when singing, talking, yelling, coughing, sneezing, or just breathing.
- Are small, tiny droplets that can be found floating in the air vapor.
- Can remain in the air up to 3 hours.

## Key factors in being exposed and infected by a respiratory virus include:

- The amount of *time you are exposed* (risk is less with 5 minutes vs 30 or more.
- The amount or *intensity of the exposure* (how close you are to the ill person).
- The <u>amount of virus shed by a person at the time of exposure</u>.

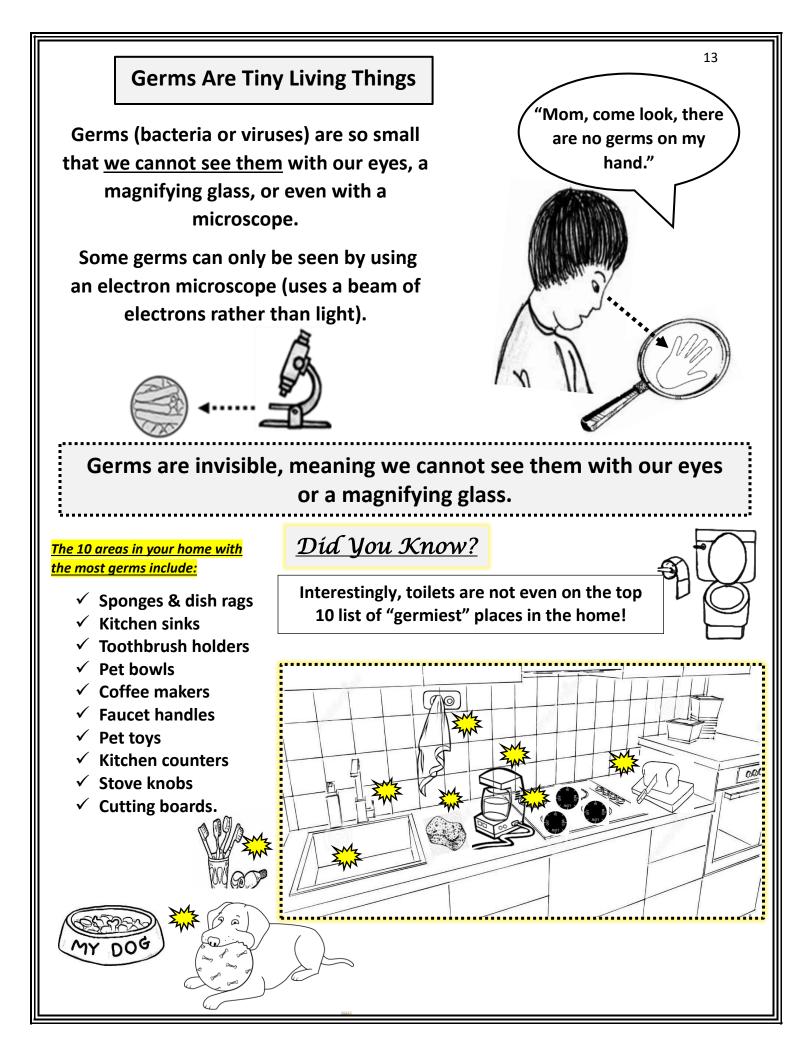


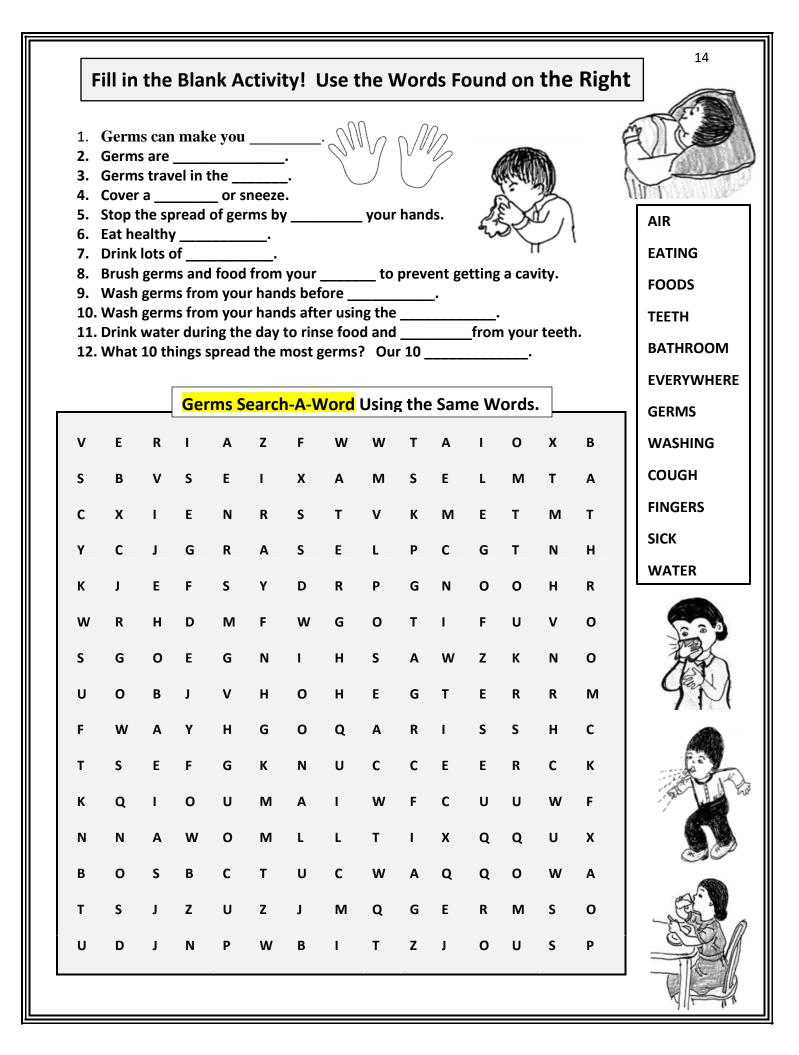


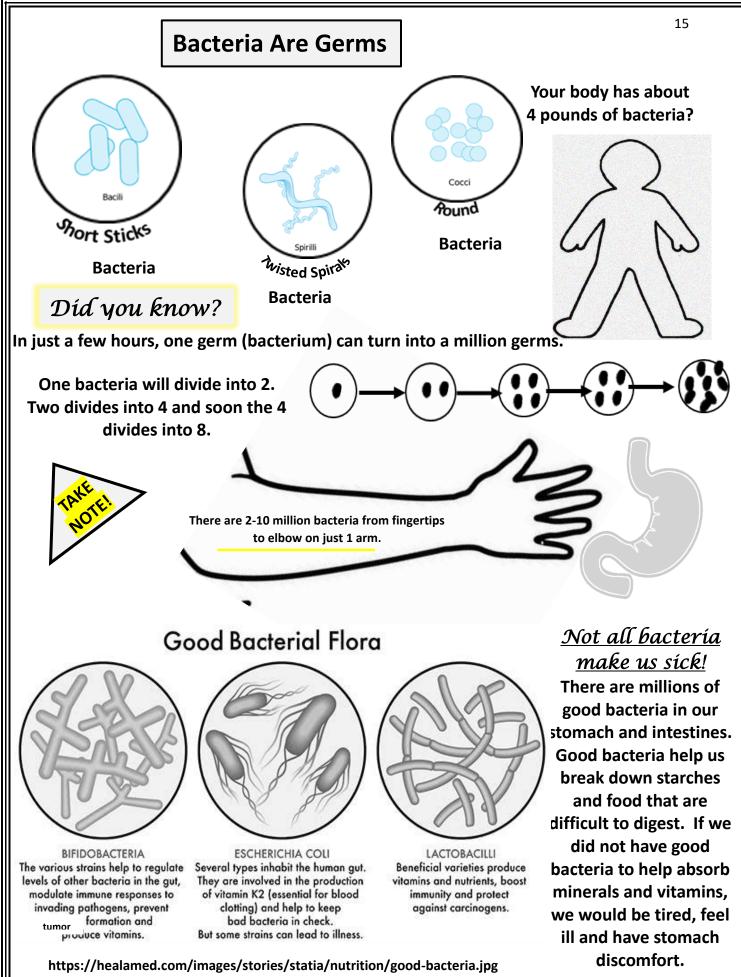
- Dogs, cats, and animals.
- Chairs, sofas, tables, floors, rugs, books, and desks.

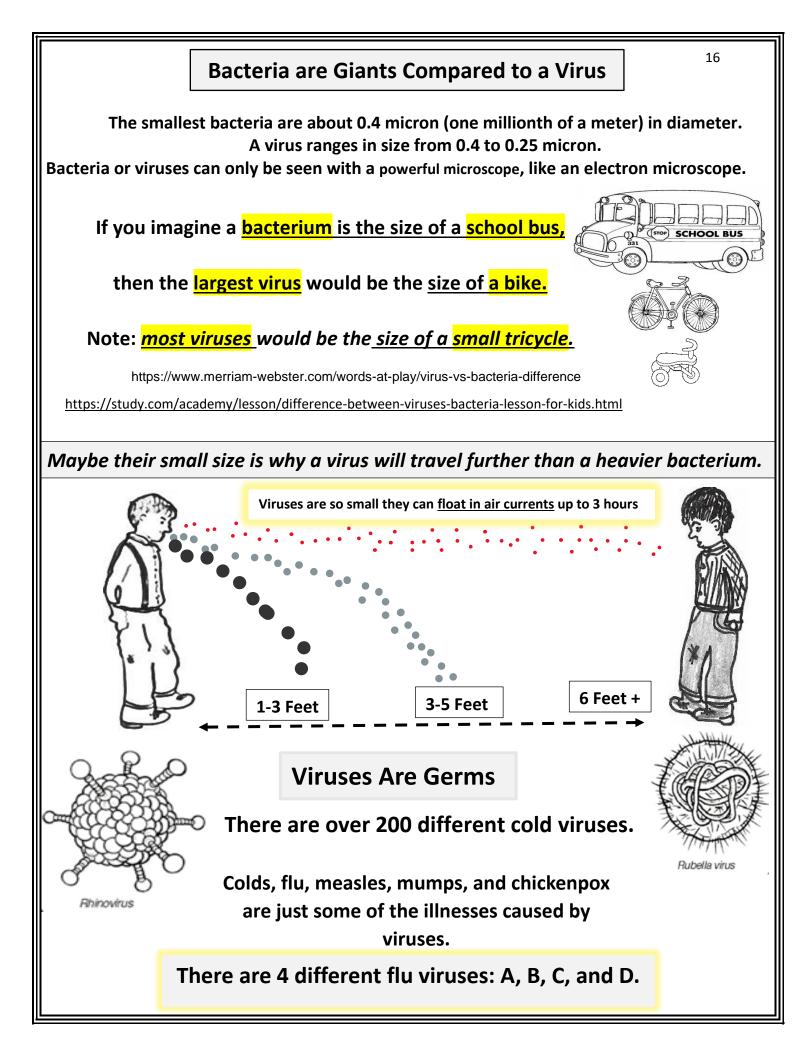
## Germs can:

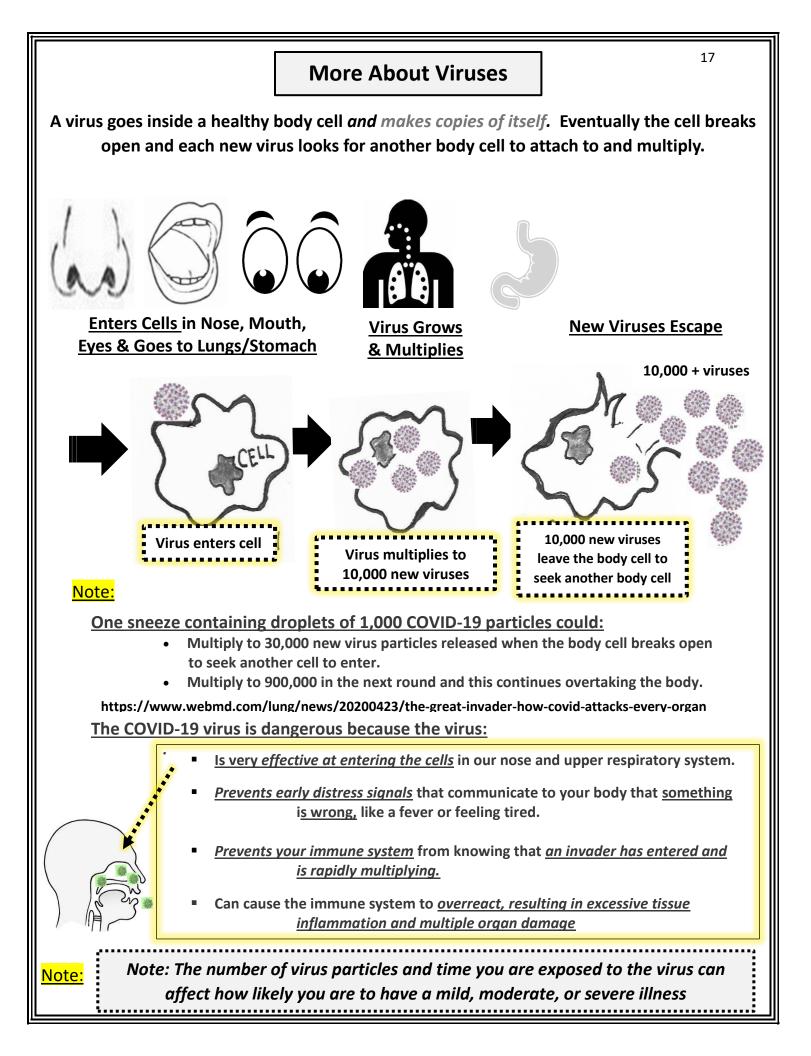
- Get into your body through a cut.
- Ride into your body on something you eat.
- Float in the air you breathe.
- Wait until you get germs on your hands and you touch your nose, mouth, or eyes before washing.

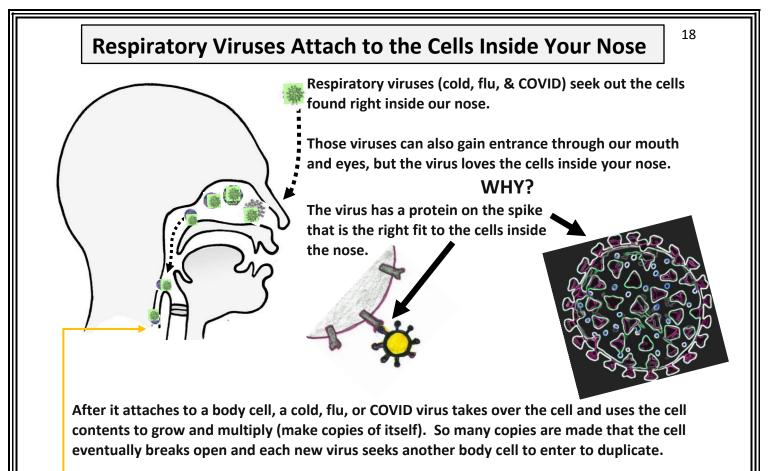






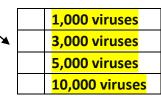




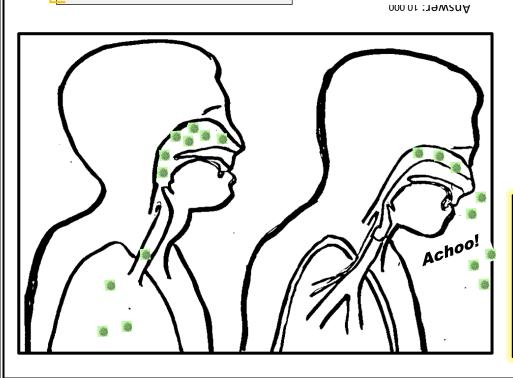


Question? How many copies of itself can a virus make in just hours? Put an X at your best answer. Wearing even a non-n

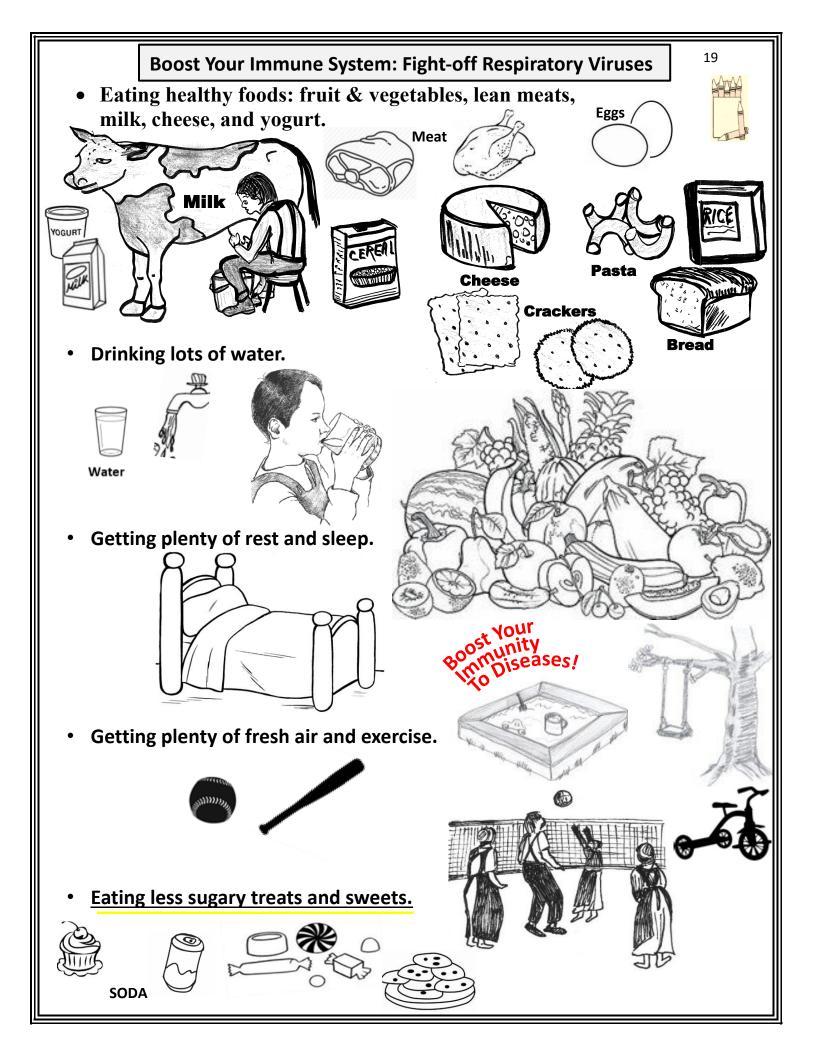
Did you know? After the virus multiplies, some leave the nose and mouth (in saliva or mucus) and land in the lungs and stomach.

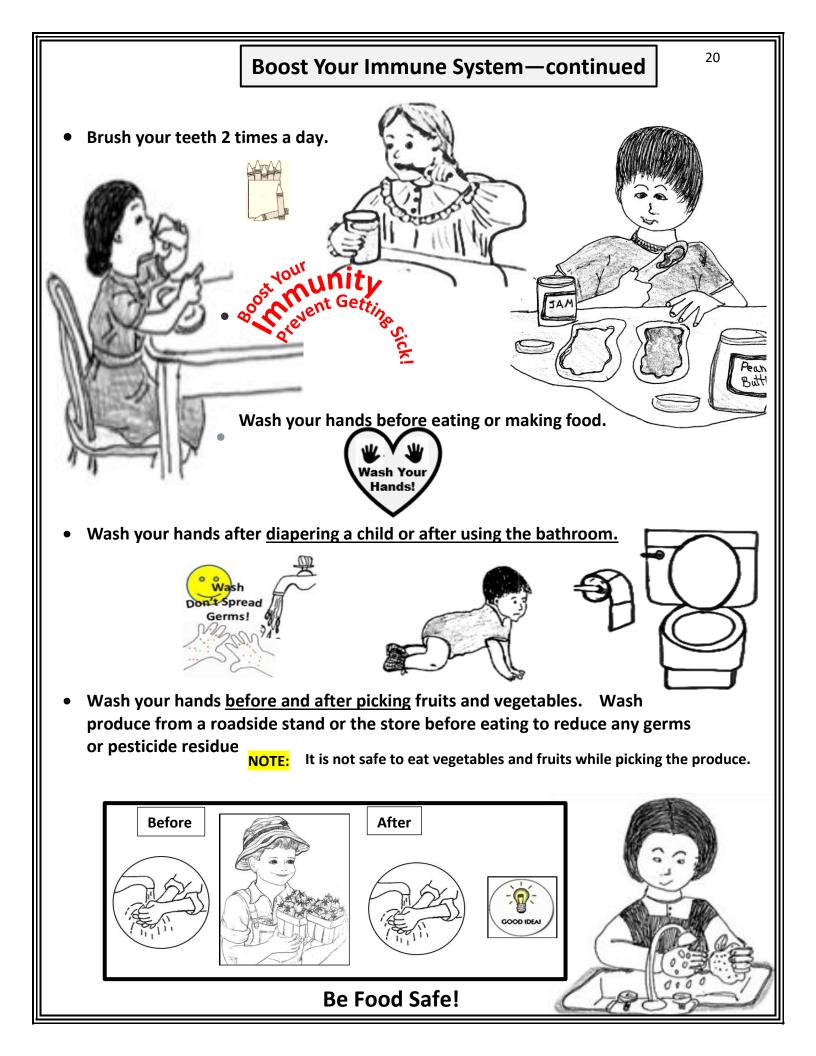


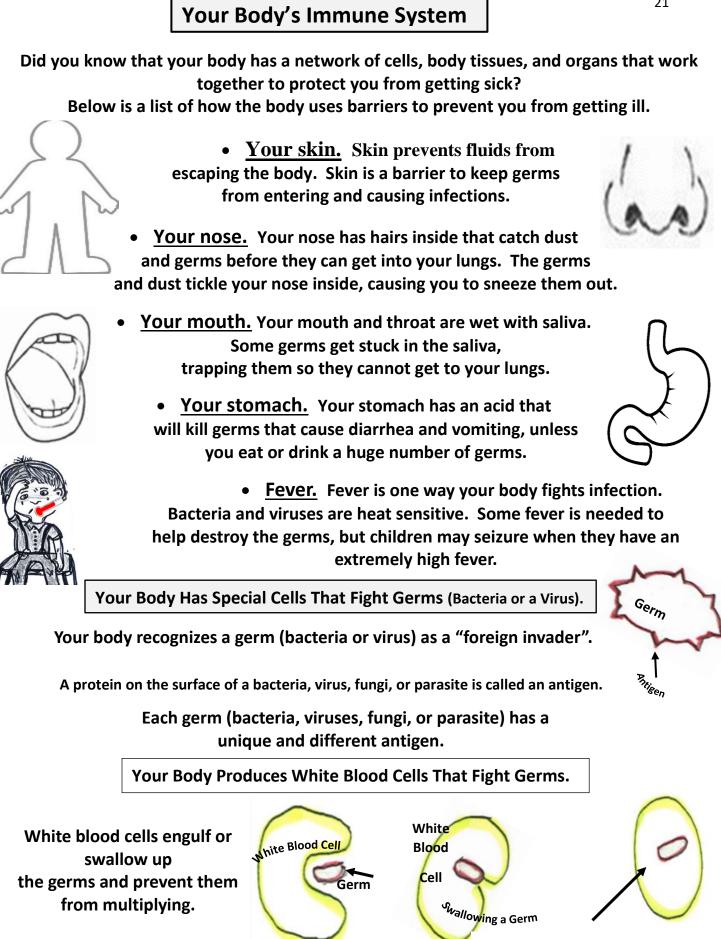
Wearing even a non-medical mask, blocks most large (viruscarrying) droplets that are expelled into the air by a cough,



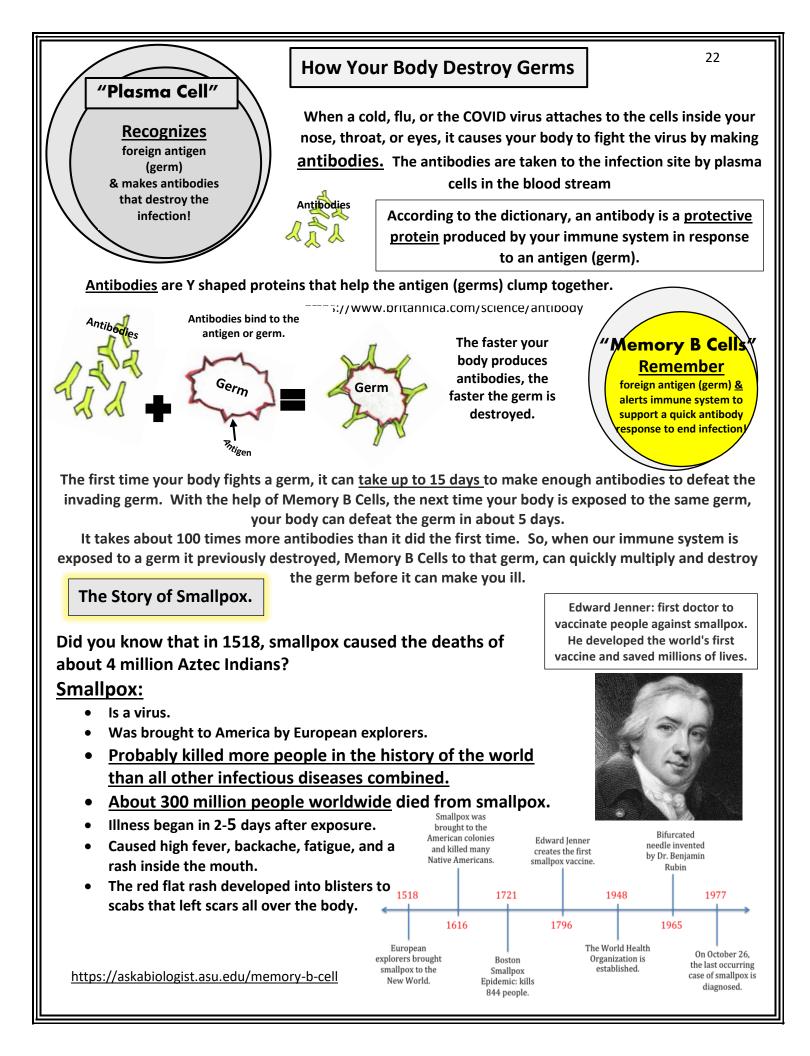
The amount of virus X's the length of exposure time (minutes vs hours) = the risk or sickness.

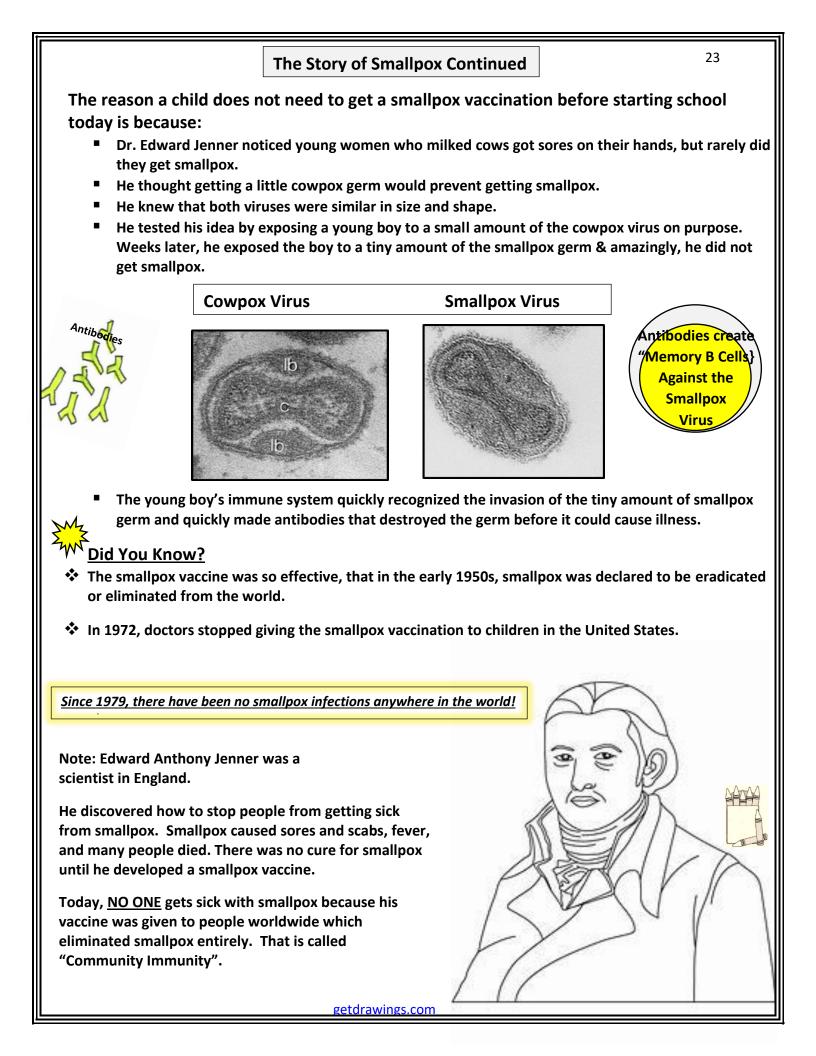






Germ destroyed by white blood cell.





# The Story About Polio

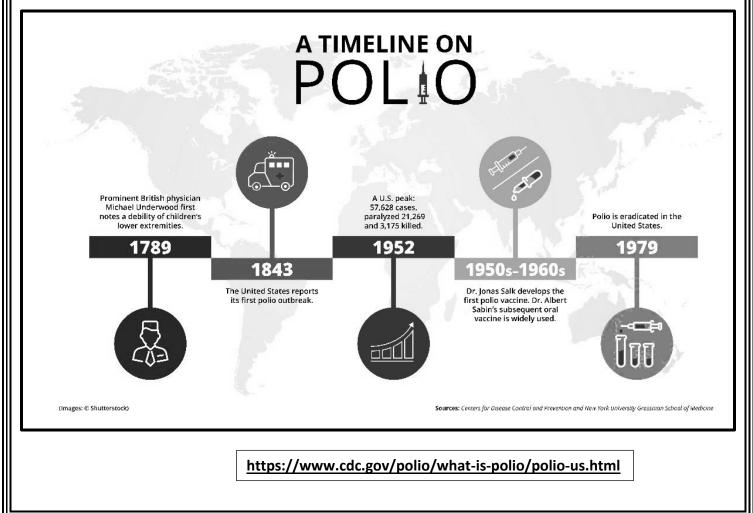
Did you know that polio or poliomyelitis is a life-threatening disease caused by a virus? Yes, polio is a virus. Polio affected a person's spinal cord causing a person to not be able to move parts of their body. We call that paralysis. Many children were affected and could not breathe or walk on their own.

The polio virus:

- Affected mostly children under 5.
- Was spread from person-to-person on contaminated surfaces.
- Lived in a person's throat in droplets & was spread by a sneeze/cough.
- Stayed in a person's feces for weeks & in contaminated food & water.
- Is spread before a person has symptoms to 2 weeks after illness began.
- Caused damage to the nervous system.

There have been no cases of polio in the U.S. since 1979 other than people getting it in another country and then coming to the "US". There are only three Countries in the world where there are polio cases.

It is estimated that 16 million people today are walking and not paralyzed because a vaccine was developed. The goal is to continue giving polio vaccine so that, just like smallpox, there will be no cases of polio in the world.



24

# Hazards: A Cause of Harm and Increased Fear

# Fear increases a feeling of "not being in control". <u>How can a person deal with fear?</u>

Marie Curie was the first woman to win a Nobel Prize in Physics and later along with her husband, discovered how to use X-rays to help doctors know what is happening inside the body so the best treatment can be provided for the person.

I like Marie Curie's quote about fear. Marie Curie said, *"Nothing in life is to be feared; it is only to be understood. Now is the time to <u>understand</u> <u>https://www.biography.com/scientist/marie-curie</u> <u>more</u>, so that we may fear less."* 

Hopefully, this booklet about cold, flu, and the new COVID virus, will help to increase the reader's knowledge and foster understanding. When fear is decreased, preventive behaviors can be put into action to decrease illness. We know that someone higher than us, cares about what happens in our lives, but we need to do our part by promoting preventive actions & living a healthy lifestyle.

https://engineering.purdue.edu/~agsafety/IRSHC/Docs/ActivityBooks/WeedsInOurGarden.pdf



Nothing in life is to be feared,

it is only to be understood.

Marie Curie



A good way to look at preventing injuries is found in an activity book by Purdue University called, <u>"Weeds in Our Garden"</u> written and created by the <u>Indiana Rural Safety and Health Council.</u>

The Council wrote that, "Unexpected injuries, (some say accidents) – are just like weeds in our garden."

They explain, that "Even though we do not plant weed-seeds in our garden, some will sprout anyway. If we do not pull the weeds out, they will weaken the good plants. Just like weeds, we should work at keeping our lives as free as possible from accidents and injuries."

### Can we apply the same thinking (need to do our part) to prevent illness?

Farming continues to be a high-risk hazardous environment. Each year we do have injuries and farm-related deaths. Farm safety educators continue to provide awareness and knowledge so farm families can reduce farm hazards and prevent injuries and deaths.
 Farm hazards include physical, mechanical, chemical, biological (viruses, bacteria, fungus, and



other living organisms), and/or mental stress factors.

What Can A Farm Family Do to Prevent/Reduce Injuries and Deaths?

Some farmers take time to walk around their farm & home as a family, to look for high-risk hazards.

# Hierarchy for Hazard Control: Farm Safety

Once a safety hazard is spotted, the risk of injury or death, can be decreased by <mark>eliminating, isolating, substituting, or placing a barrier</mark> to prevent access to the high-risk areas or animals.

Farmers encourage everyone to keep safety a top priority. They take time to teach their children & workers safe work behaviors and encourage everyone to tell someone if they spot

### Hierarchy of Hazard Control!

Eliminate or Substitute. Enclosure or Barricade.

Engineering Control!

Use Safe Work Behaviors/Practices. Training/written instruction. Systems Control!

> Supervision/Monitoring Administration Control!

> > PPE: Protect worker

Farmers prevent access to ponds, manure pits, large animals, and farm equipment with a fence or structure---a <u>barrier</u>.

# What is a barrier?

According to the Merriam-Webster dictionary, <u>a</u> <u>barrier is some sort of material that is used to block</u> <u>or prevent and/or hinder movement.</u>

a potential hazard. Their efforts are well spent if one injury or death is avoided.

Children often say, "That's a Danger." or "Dad, that's not farm safe".





# Hierarchy of Hazard Control: Respiratory Illnesses

Getting sick with a cold, the flu, or the new COVID-19 virus can be thought of as a hazard. Especially when you consider physical suffering, medical costs, loss of school or work time, and the loss of a loved one.

Did you know there is a "Hierarchy for Respiratory Illnesses" to slow the spread of illness?

The following illustration is adapted from the Centers for Disease Control and Prevention's (CDC) website.

Note, the top measure is to <u>isolate</u> yourself from others by staying home with family and avoiding gatherings.

Next, <u>substitute</u>, if we cannot <u>eliminate</u>, by working from home. Note: farmers have it over most of us; they are already at home with iust their family.

Increase hand washing, get medical care as needed, and when out in public: show respect and

kindness by staying



from others & by wearing a mask.

A mask prevents you from breathing in respiratory viruses that can cause illnesses.

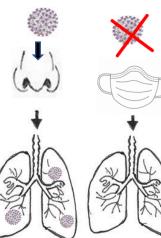


6 feet

Measure to help Slow the Spread of Illness! Elimination: Isolate yourself from others. Stay home with family & avoid gatherings. Substitute if can't eliminate. Work remotely if possible, use phone vs face to face. Keep a look out for symptoms or illness. Seek medical care as needed. Wash hands & stay 6 feet or more from others. PPE: use a mask if going out.

Hierarchy of Colds, Flu, and COVID-19.

https://www.cdc.gov/niosh/tonics/hierarchv/default.html



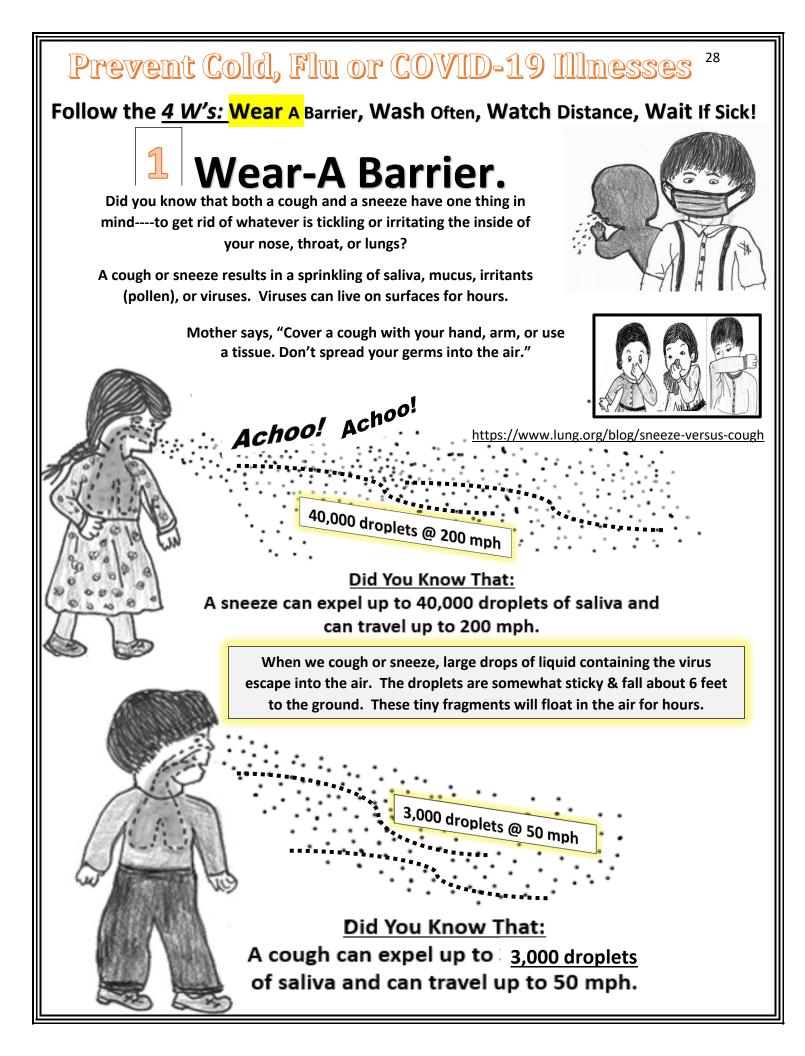
Did you know that a cotton mask of several layers, can filter out the larger droplets from getting through to the nose, mouth, and/or lungs?

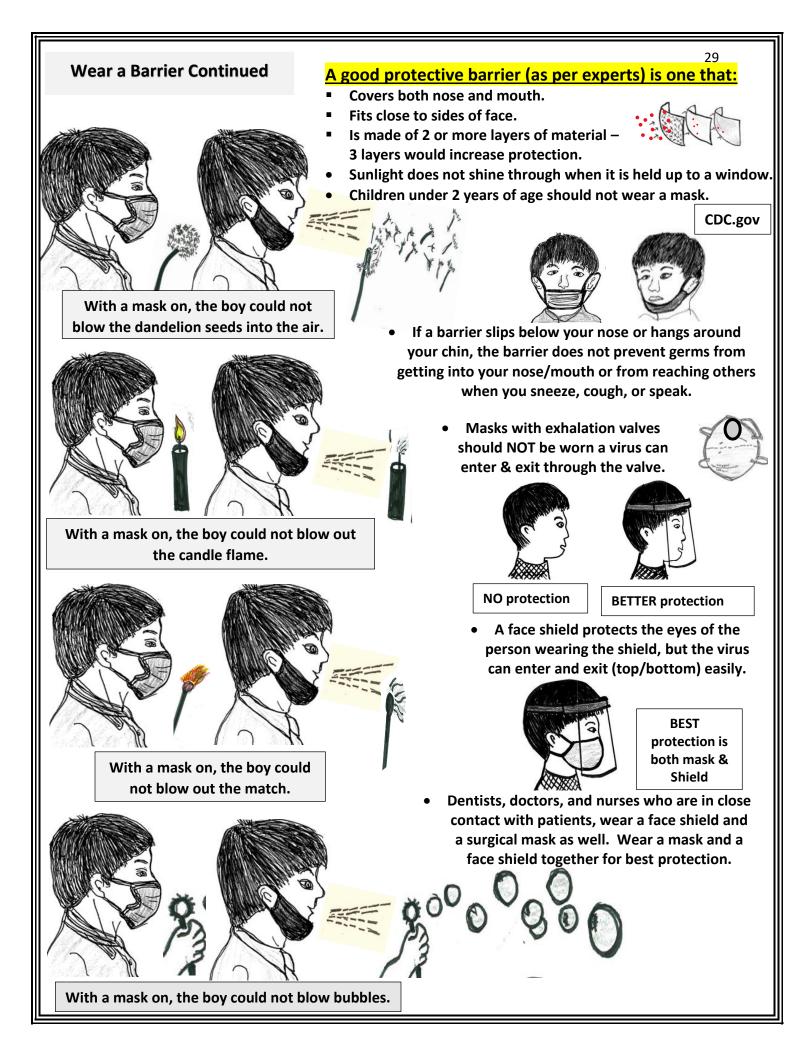
Just several layers of cloth can decrease the amount of virus that a person is exposed to, much like using cheese cloth to filter out seeds when making jelly.

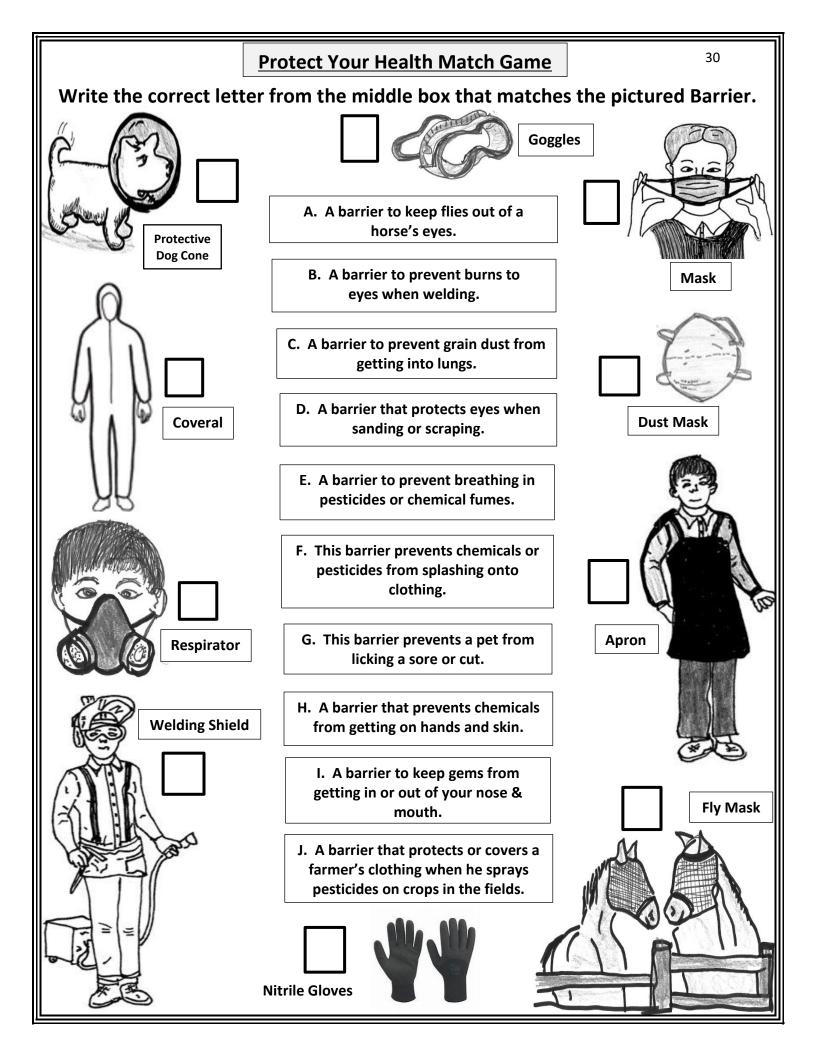
No, a cotton mask does not filter out as many germs as would an N95 mask, but it does block bigger droplets. In addition, you can lessen the number of virus particles you are exposed to by staying 6 feet away from others.

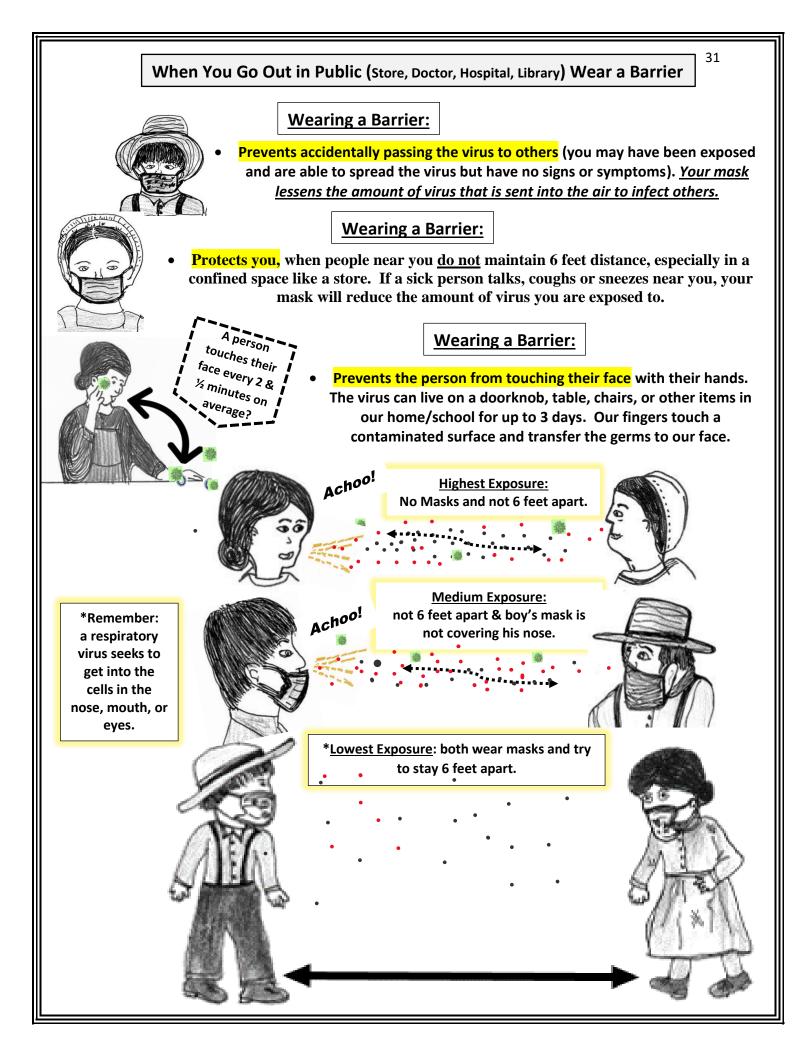
The N95 masks continue to be needed by doctors and nurses who work many hours near patients who are very ill, suffering with a flu or the COVID-19 virus.

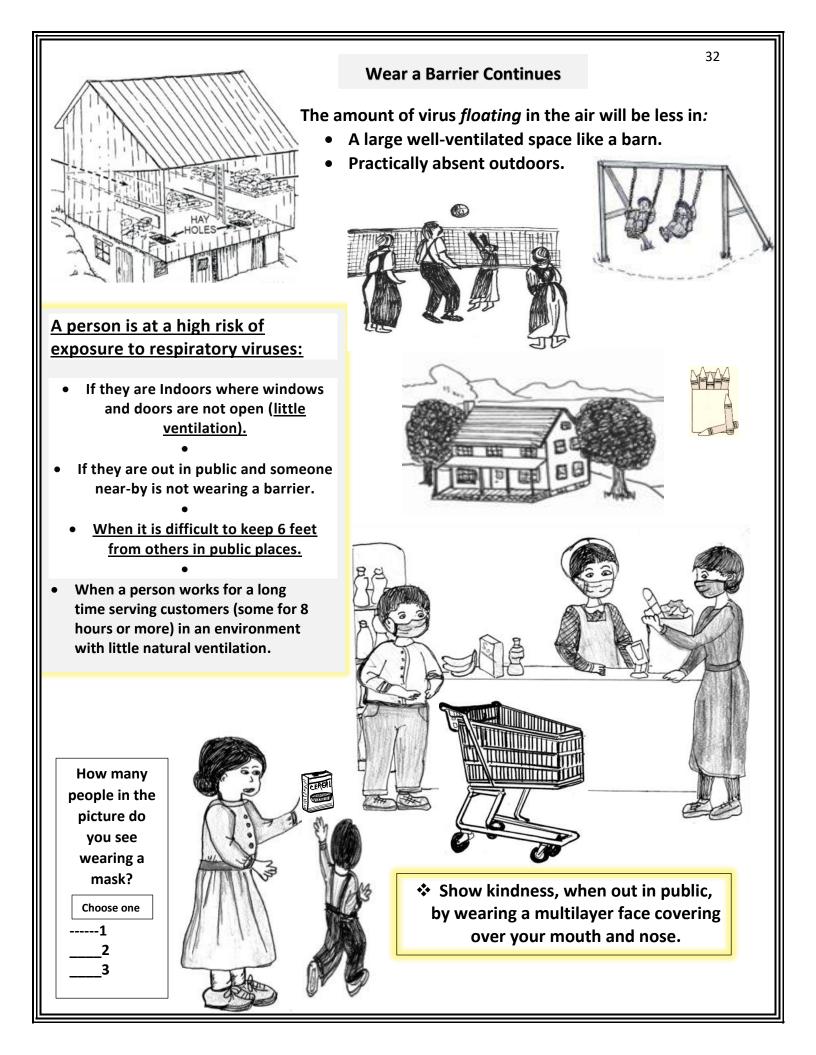












# **Kindness: Search-A-Word**

# When out in public wear a barrier to show:

- Respect of others.
- Kindness and caring.
- Community support.



WEAR A

Scatter

**Stay Home** 

If sick!

. Kindness

Wash Your

Hands!

Stay 6 feet

apart!

25

Avoid large

groups

33

	С	S	0	R	E	S	P	E	С	Т
KIND CARE	Α	Ρ	J	S	K	A	U	I	G	I
	R	D	Ι	$\mathbf{L}$	Т	L	Q	F	L	Ν
FRIEND	Е	Т	Η	М	G	Ι	Α	R	V	v
RESPECT	N	W	D	D	S	S	N	I	Κ	S
SMILE LISTEN	G	Ρ	L	Ν	В	Т	R	Ε	Z	Μ
HELP	Ρ	N	0	Т	V	Ε	N	N	Т	I
LOVE	R	Т	V	Y	Ρ	N	D	D	S	L
	0	Н	Ε	L	₽	Κ	V	W	L	Е

https://upub.net/blog/info/kindness-activities-free-printables/

# <u>Kindness is:</u>

- Caring about others
- Letting others go first
- Giving a smile to those you do not know
- Doing for others and forgetting yourself
- Taking time to listen to someone
- Giving others your time and talent
- A choice that makes you feel good
- Wearing a barrier when out in public

# Wear a Barrier continued

Dr. Fauci, the director of the National Institute of Allergy and Infectious Diseases, reports that "One of the reasons why <u>it's so important to wear a face covering</u> is that we know now that about 40 to 45% of the people who are infected don't have any symptoms."

"Talking, singing can spread virus and people don't fully understand that simply breathing and speaking can send infectious virus particles airborne. People have an understandable, but incorrect interpretation that the only time you transmit infection is when you're coughing and sneezing all over someone," he said.

"What they don't appreciate is that if you are speaking, even if you don't speak loudly, and if you are singing, which is even worse than just speaking, you have these particles that spread into the air and stay for a period of time. Some of them drop to the ground, which is the reason why we say keep six feet of distance. But some of them are aerosolized and can hang around in the air," added Fauci.

"For that reason, it's so important to wear face coverings, particularly when you think you're in a situation where nobody's sneezing or coughing and it doesn't matter."

https://www.msn.com/en-us/news/technology/dr-fauci-just-gave-the-best-reason-to-wear-a-face-mask/ar-BB1am3wo?ocid=msedgntp <u>https://www.msn.com/en-us/health/medical/dr-fauci-says-this-is-one-way-you-dont-realize-you-can-get-covid/ss-BB1akBKC</u>

**Sneeze into Your Mask** 

What Should I Do If I Need to Sneeze When Wearing A Mask?

Do Not Take Your Mask Off and Sneeze Into the Air.

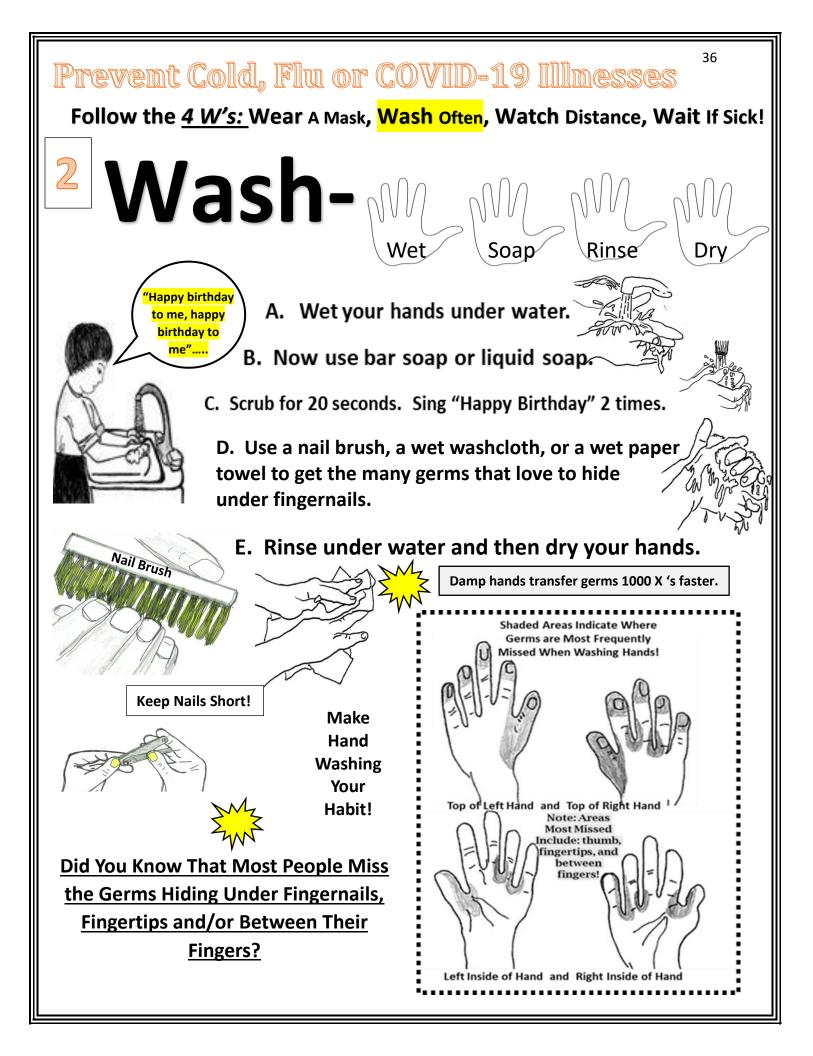
# Prevent Spreading Germs By:

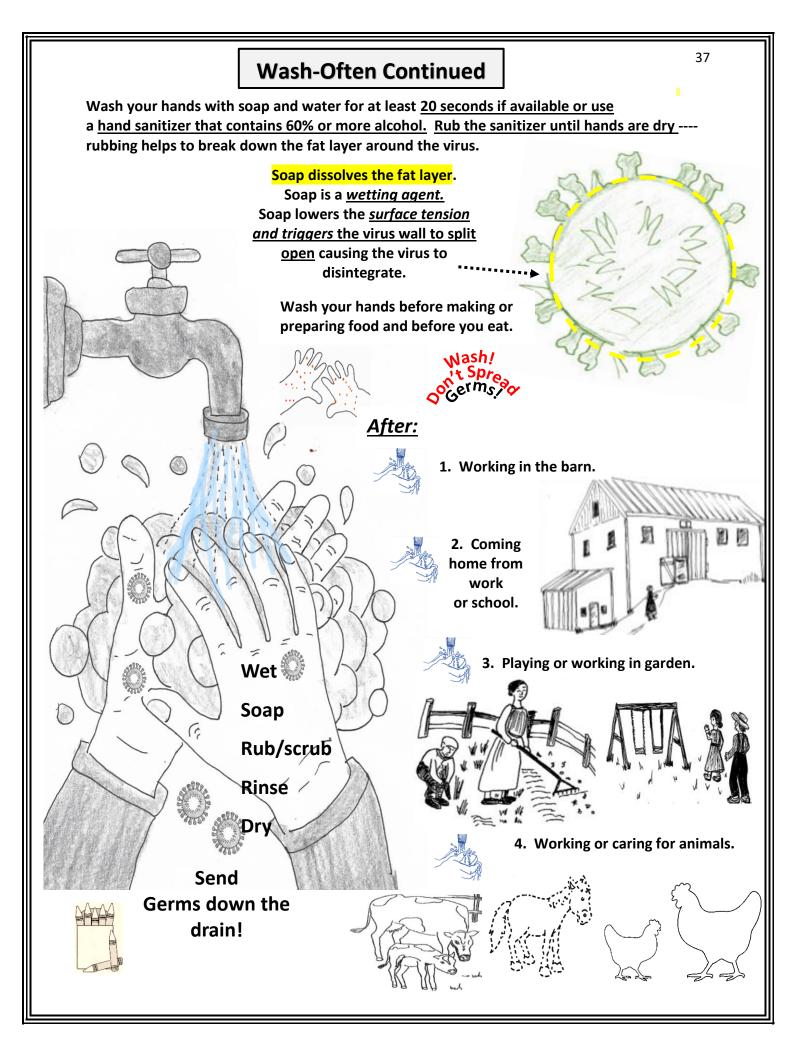
- 1. Cough or sneeze into your mask (in your elbow) or cover your mask with your hands.
- 2. Throw out a disposable mask.
- 3. Cotton masks can be washed later & hung in the sunshine to dry.
- 4. Wash hands, face, & arms with soap/water (20 seconds) or use a sanitizer.
- 5. Put on a new clean face mask.



34

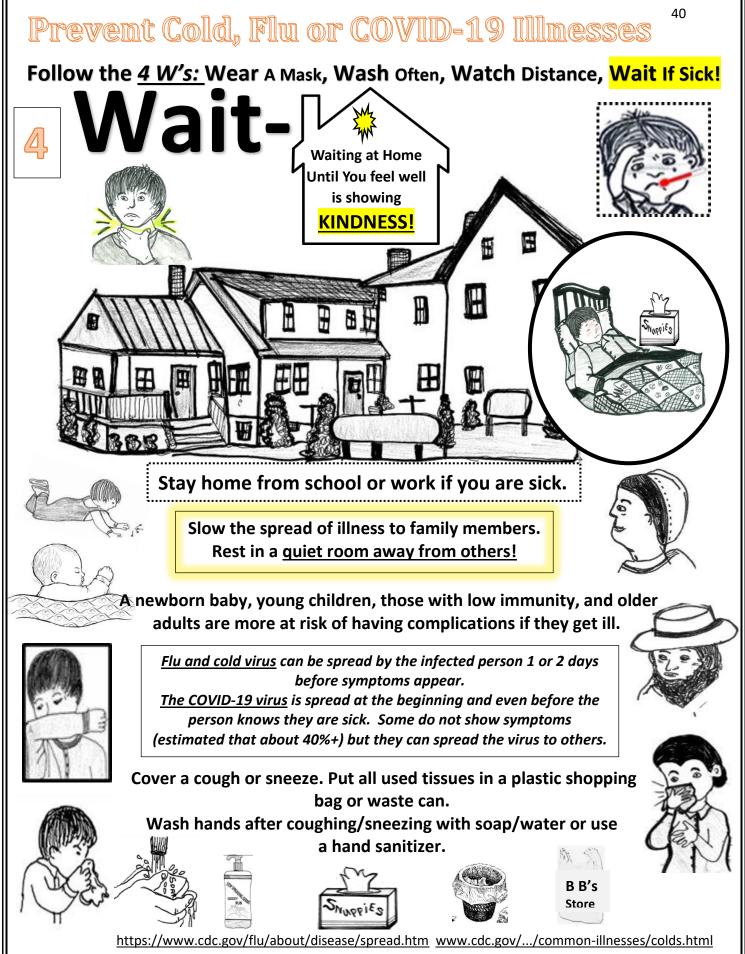




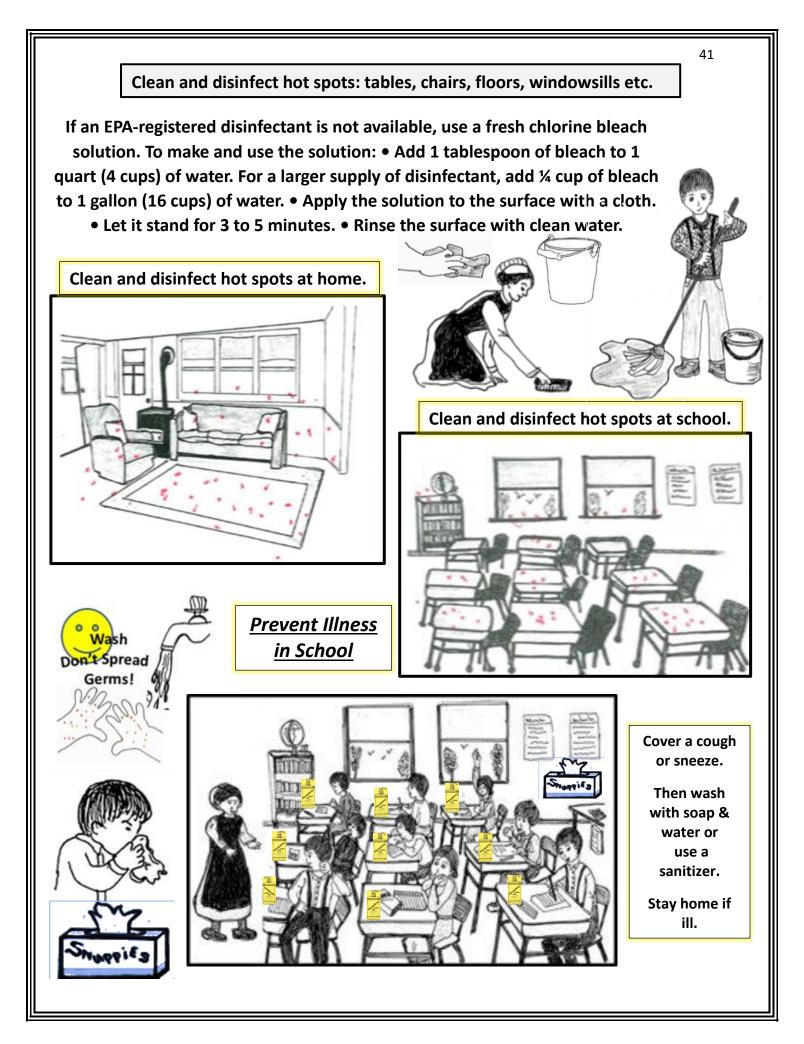


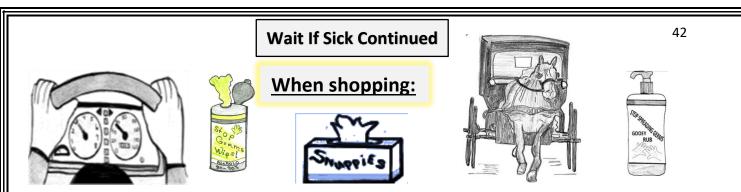






https://www.cdc.gov/flu/school/





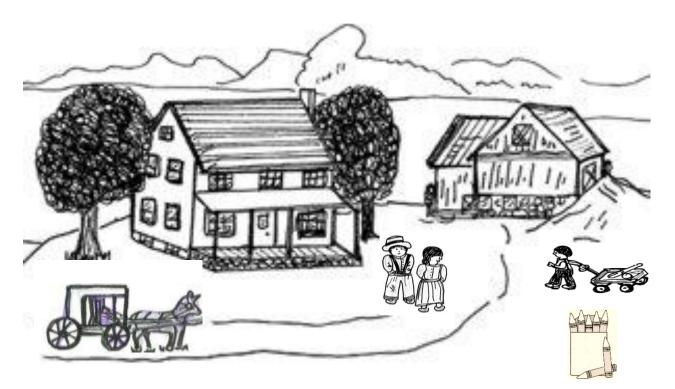
It is easy to get germs on your hands from something that someone else touched or handled. When there is no soap and water, use a sanitizer to destroy germs before they can get into your mouth or nose.

#### **Remember:**

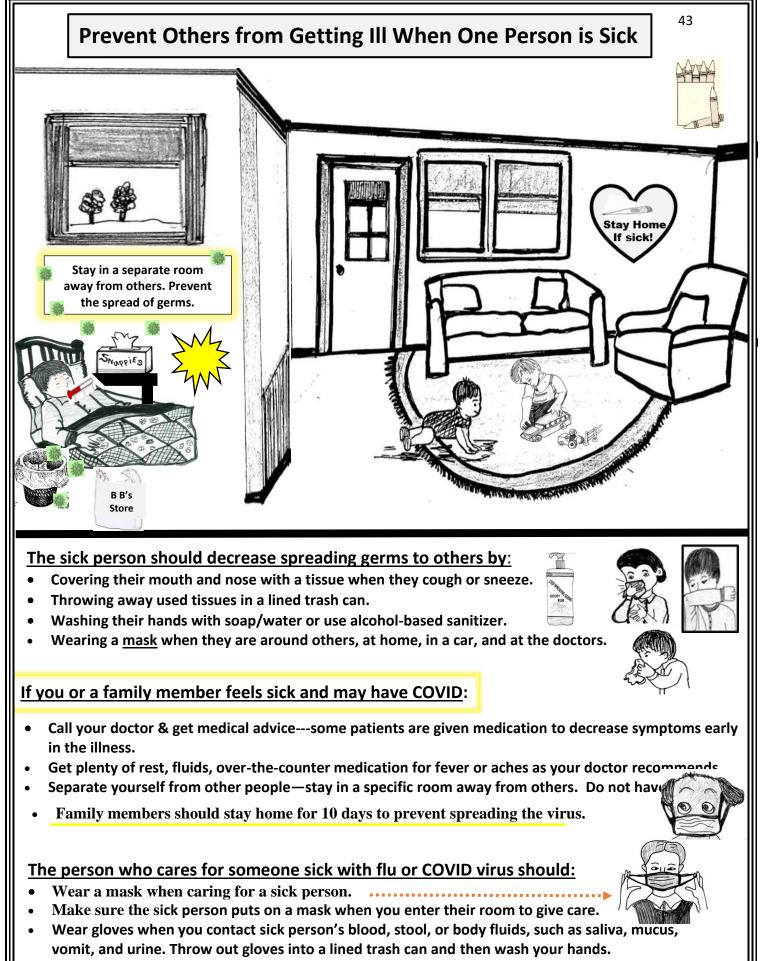
- Carry sanitizer wipes or gel in your buggy, car, purse or in your backpack.
- After you are finished shopping, everyone can use the hand sanitizer, to destroy any germs they may have gotten on their hands.



- DO NOT go visit when you know someone in their family is sick—call ahead and check.
- <u>DO NOT visit if you or someone in your family is ill.</u> Staying away till everyone is healthy, is just being kind and thoughtful.



See page 44 for information about how long someone is contagious (could infect others) when sick with a cold, flu. or COVID virus.



https://www.cdc.gov/coronavirus/2019-ncov/index.html

Reference Information Symptoms of COLD Flu COVID-19 Illness					
<u>Symptoms</u>	<u>Symptoms</u>	<u>Cold</u>	<u>Flu</u>	<u>COVID-19</u> <u>Can be mild to</u> severe	
Contagious		1 day before symptoms & up to 5-7 days	1 day before symptoms & is the most contagious for the first 3-5 days	Contagious before symptoms appear & 2 weeks after symptoms disappear	
	Fever	Rare	High 100-102F, can last 3-4 days	Common	
Headache	Headache	Rare	Intense	Can Be Present	
	Body Aches & Pains	Slight	Usual, often severe	Can Be Present	
Tired	Fatigue Weakness	Mild	Intense, can last up to 2-3 weeks	Can Be Present	
	Extreme Exhaustion	NEVER	Usual (starts early)	Can Be Present	
Stuffy Nose	Stuffy Nose	Common	Sometimes	Has been reported	
	Sneezing	Usual	Sometimes	Has been reported	
	Sore Throat	Common	Common	Has been reported	
Coughing	Cough	Mild to Moderate	Common can become severe	Common	
	Shortness of Breath	Rare	Rare	In more serious infections	
Adapted from chart on <u>https://www.webmd.com/lung/covid-19-symptoms</u>					

#### Words: What Does That Mean?

- <u>Aerosolized Virus</u>- to be dispensed as an aerosol/tiny particle of virus that floats in air currents.
- <u>Antibodies</u>-Special cells that recognize an organism (germ) that invades the body. Antibodies can seek out and destroy the foreign invader.
- <u>Asian Flu</u>- influenza occurred worldwide as an epidemic. Caused by a virus (A2) strain.
- **<u>Asymptomatic-</u>** When a person is ill with a disease but does not have symptoms.
- <u>Bacteria</u>-A very large group of microorganisms or living organism that cause respiratory illnesses.
- <u>Coronavirus</u>- A group of viruses that cause respiratory and gastroenteritis illnesses.
- <u>**Contagious</u>**-Capable of being transferred from one person to another.</u>
- **<u>Disinfectant</u>**—Substance that can destroy infective organisms & prevent their growth.
- <u>Droplets</u>—A small drop (particle of moisture or liquid) from the mouth when talking, sneezing, coughing, or singing. Droplet can transmit viruses to others while floating in the air.
- <u>Germs</u>-- a microorganism (bacteria or virus or microbe) that causes illness.
- Hong Kong Flu-An avian flu or H5N1 virus (caused an epidemic) in poultry that spread to humans.
- Infectious-A disease causing organism that can be transmitted to people, animals, & environment.
- <u>Immune System</u>- the body's system (white blood cells, memory cells etc.) that protects us from foreign material (bacteria/virus) by producing a response to fight and destroy the germ. .
- <u>Memory B Cells</u> –Cells that recognize a previous foreign invader (germ) and alert our immune system to quickly form antibodies and destroy the germ before it causes illness.
- **<u>Novel Virus</u>**-- A virus that has never been seen or caused illness before. "Novel"-new.
- **<u>Pandemic</u>** A widespread, worldwide epidemic of a disease.
- <u>Plasma Cells</u>- A type of white blood cell that fights infections.
- <u>Respiratory Illness</u>--A disease affecting the respiratory (breathing) system.
- **<u>Rhinovirus</u>** Any of several strains of virus that cause respiratory tract infection (flu, Cold).
- <u>Seizure-</u> A sudden attack of motor, physical, or mental dysfunction with or without convulsive seizures or loss of consciousnesses.
- **Spanish Flu** The 1918 flu pandemic which was deadly and involved H1N1 influenza.
- <u>Surgical Mask</u>-worn by health persons providing medical care to prevent breathing in or spreading germs that are found in tiny droplets when talking, coughing, or sneezing,
- <u>Virus</u>--An infectious organism that is not able to duplicate without assistance of a living host cell.
- <u>White Blood Cells</u>-A group of cells (in our bloodstream) that fights invading germs. https://www.merriam-webster.com/dictionary/immune%20system

Reference Information

### When To Call the Doctor

Fever is one of the ways the body fights germs. Germs (bacteria and viruses) are sensitive to heat and can't survive. Some fever is good, but when fever gets too high, a child/adult may seizure. When should a parent call a doctor for advice if a child has fever?

It's best to call a doctor when a child:

- ✤ Has a <u>high fever</u> that will not come down.
- ✤ Has <u>seizures/convulsions.</u>
- Is not drinking, breastfeeding as usual.
- ✤ Is <u>not wetting</u> as many diapers or is going to bathroom less.
- Has <u>vomiting or diarrhea</u> that will not stop.
- ✤ Has <u>blood or mucus</u> in the stool, urine, or vomit.
- ✤ Has increasing <u>belly pain</u> that cannot be relieved.
- ✤ Is <u>less responsive</u>, seems inactive or very tired.
- Has <u>difficulty breathing</u>---noisy, labored, and/or fast.
- ✤ <u>"Does not look right"</u> to you and is fussy.

What to tell a doctor at a visit or in an emergency room:

- **\*** The <u>symptoms</u> you noticed & when the symptoms started.
- Key medical history---allergies to food, medication, & chronic conditions.
- ✤ <u>Key changes</u> in feeding, bowel movement, or in urination.
- History of fever---when fever started, how much, how many days.
- ✤ Any <u>home remedies/medications</u> the child or person is taking.
- Possible <u>exposures</u> --- exposure to ticks, someone ill with measles, mumps, chickenpox, cold, flu, or COVID.
- Family members or visitors that are sick.

Recent travels.

https://www.mayoclinic.org/healthy-lifestyle/infant-andtoddler-health/in-depth/healthy-baby/art-20047793

Normal body temperature is 98.6 degrees. Fever is generally defined as greater than 100.4 degrees F.



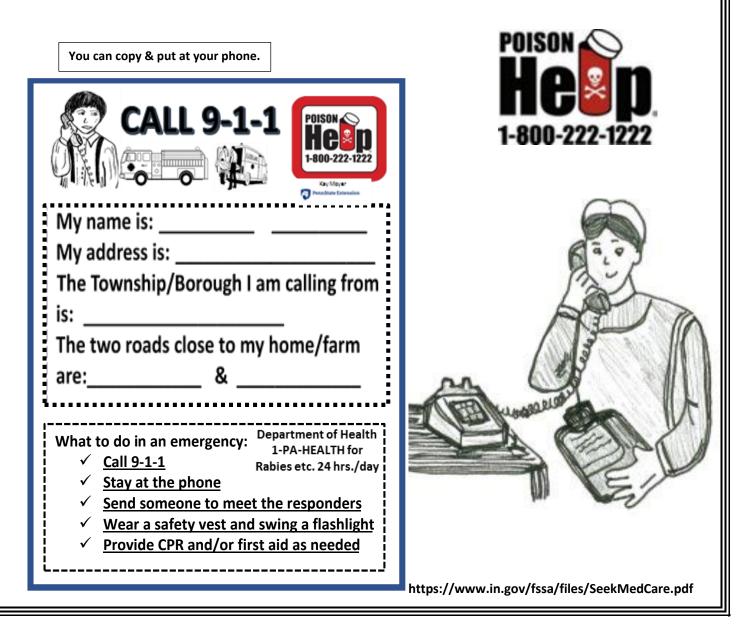
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## What to Do when A Person is Injured or Severely Sick

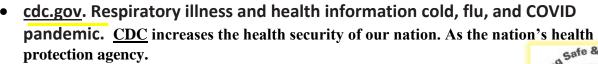
### Seek Emergency Care or Call 9-1-1 when there is:

- <u>Bleeding</u> that cannot be stopped by pressure.
- <u>Unconsciousness</u> or cannot respond (cry or talk).
- <u>Seizures</u> lasting longer than 5 minutes.
- Increasing <u>difficulty breathing/noisy breathing.</u>
- A blue, purple, or gray coloring to skin or lips.
- <u>Head injury</u>—eyes <u>not responding</u> to light equally, vomiting, headache, or the soft spot is bulging in a small child.
- A possible <u>poisoning</u>—call Poison Help line (1800-222-1222) or call 9-1-1.
- <u>A large cut</u> that is deep.
- Neck stiffness with a rash and fever.
- <u>A large burn</u> area that involves the head, face, chest, abdomen, hands, or groin.





Need More Information About Colds, Flu, or COVID-19 Illness, Testing, or Treatment? See The Many Sources Below:



NYCAMH--New York Center for Agricultural Medicine and Health call 800-343- 7527 www.nycamh.org . You can order personal protective equipment



Lancaster General Health

Penn Medicine https://www.lancastergeneralhealth.org/COVID-formation or call 717-544-5941 for testing times and information or call 888-544-3646.



- Coronavirus in Pennsylvania Department of Health 1-877-PA-HEALTH or 1-877-724-3258 https://www.health.pa.gov/topics/disease/coronavirus/Pages/Cases.aspx
- WellSpan Health---Coronavirus questions

Call for coronavirus related prevention, regarding care information risk, screening, and instructions hotline at 855-851-3641. https://www.wellspan.org/coronavirus



Penn State Milton S. Hershey Medical PennState Health Milton S. Hershey Medical Center Center 717-531-5033 or call 1-800-243-1455.

- Parochial Medical Center- 1065 W Main St, New Holland, PA 17557--call 717-556-0702
  - Johns Hopkins University Johns Hopkins University is a private research university in Baltimore, Maryland. It was founded in 1876 and is America's first research university and home to nine world-class academic divisions working together as one university. www.jhu.edu
- Dr. Paul A. Offit, MD--General Pediatric Infectious Disease Children's Hospital of Philadelphia, Hospitals of the University of Pennsylvania-Penn Presbyterian. Dr. Paul A. Offit is a pediatric infectious disease specialist in Philadelphia, Pennsylvania and is affiliated with multiple hospitals in the area. Paul A. Offit | Faculty | About Us | Perelman School of Medicine | Perelman School of Medicine at the University of Pennsylvania (upenn.edu) www.vaccine.chop
  - Dr, Fauci is the director of the National Institute of Allergy and Infectious **Diseases.** He is a physician and has served American public health for more than 50 years. https://www.biography.com/scientist/anthony-fauci



Your Local Physician or Medical Health Center.

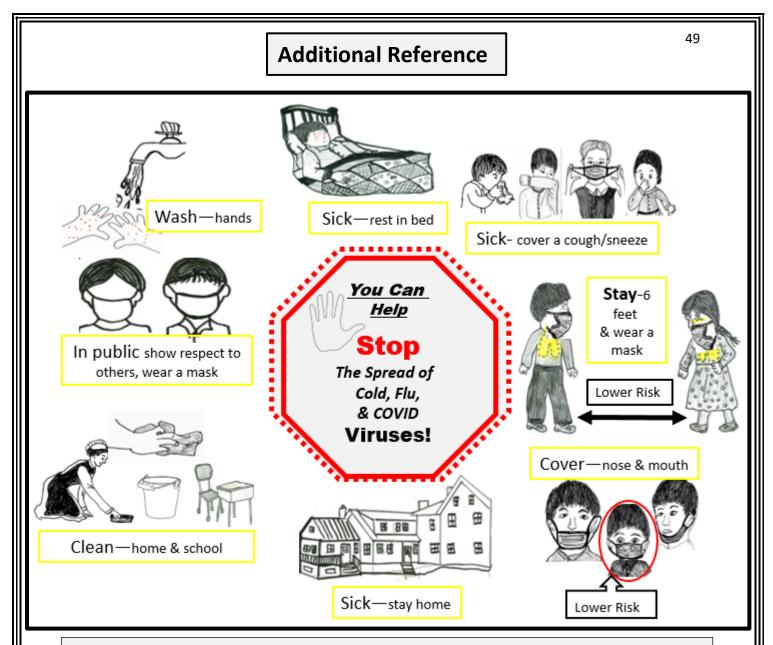






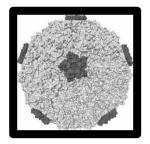


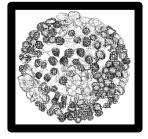
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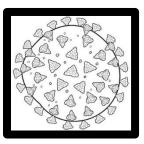


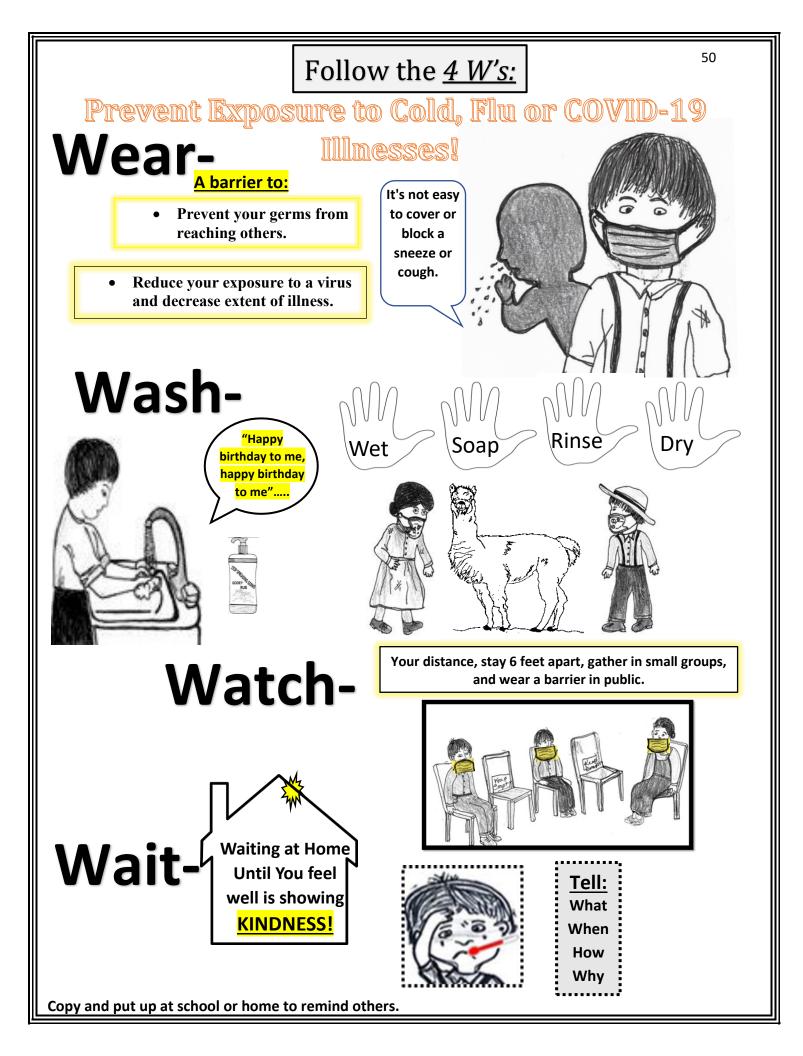
# Watch, Know, and Seek Medical Care Early for COVID-19

	Cold	Flu	COVID-19
Exposure till ill	1-3 days	1-4 days	2-14 days
Symptoms start	Gradual	Abrupt	Gradual
Illness duration	7-10 days	3-7 days	Undetermined
Symptoms	Cold or allergy Itchy eyes, stuffy nose & sneezing	Fever, fatigue, body aches, cough, worsening symptoms	Shortness of breath, fever, fatigue













"Funding for this booklet was provided by the National Institute for Occupational Safety and Health (2U54OH007542) through the Northeast Center for Occupational Health and Safety: Agriculture, Forestry and Fishing".

# Just the Facts: COVID-19 Illness:

- ✓ Is Caused by a <u>NEW VIRUS</u>: First Noted End of 2019 and is On-going.
- $\checkmark\,$  Is a Pandemic: Spread Worldwide and Affects Many People.
- ✓ Is Spread by Direct Contact: Hands to Face (nose, mouth, eyes).
- $\checkmark$  Is Spread Person to Person: Via Droplets (virus in liquid) in the air.
- ✓ Causes: Mild, Moderate, or Severe Illness and/or Deaths.
- ✓ Can Affect: <u>Me, My Family, Friends, Neighbors, & My Elderly Relatives.</u>
- ✓ Can be Serious if someone has Health Problems/Weakened Immune System.
- ✓ Is Very Contagious: 10 times More Contagious Than the Flu.
- ✓ Can Be Slowed Down by "Me" <u>By Scattering Some Kindness.</u>

