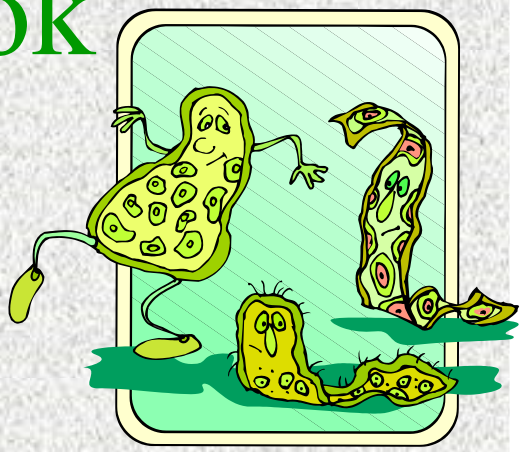
The Magic School Bus

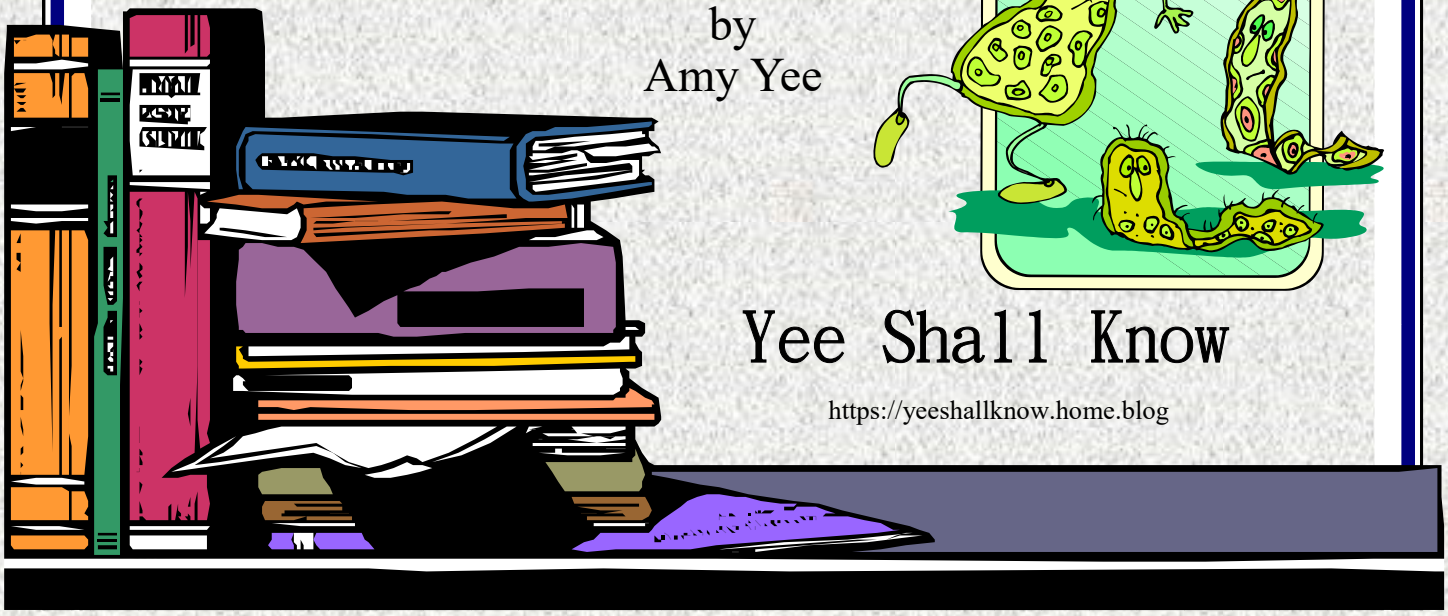
A Science Chapter Book #6

The Giant Germ

Lapbook



by
Amy Yee



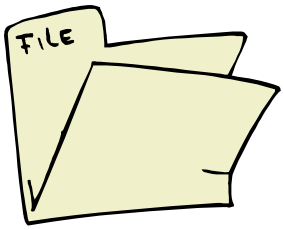
Yee Shall Know

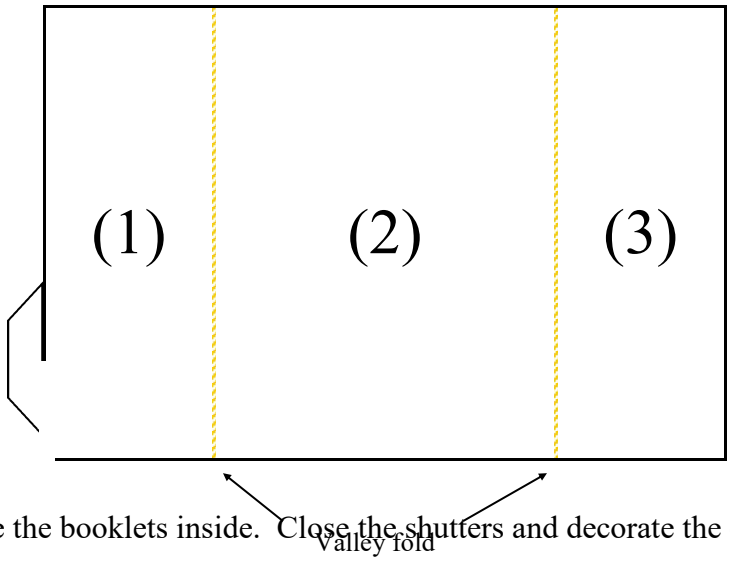
https://yeeshallknow.home.blog

Lapbook Basics

Follow the instructions in the following page(s) to complete all the individual pieces that will go into your lapbook. And then assemble as follows:

Open a file folder and fold in the two sides.





Glue the booklets inside. Close the shutters and decorate the cover.

If more space is needed to complete your project, there are several methods to extend your file folder. You can fold another folder in the similar fashion and glue the back of section 3 of your first folder to the back of section 1 of your second folder. You can also lay an additional piece of paper (card stock) just above or below the middle section (2) of the folder. Use packing tape or other strong tape, secure the paper to the folder creating a flap that can be opened to display your student's work. You can also staple the crease between sections two and three of the first folder to the crease between sections one and two of the second folder using a long stapler. This method will give you two additional surfaces to add your student's completed work.

Some students prefer to assemble the lapbook after they have completed all the activities so they can arrange their booklets, while others prefer to affix each booklet to the lapbook after each activity. Either way will work.

A note on cutting and folding. In the following templates, please cut on the solid lines. The black dotted lines are folding lines for mountain folds (when you are done folding, the black dotted lines should be on the outside of the fold). The yellow dotted lines are for valley folds (when you are done folding, the line is tucked on the inside of your fold). Do make sure that you use firm pressure to make your creases as sometimes these creases will help the final booklet to fall into their proper positions.

For some younger students you may wish to have them dictate their answers to you or you may write down the answers for them to copy.

Lapbooks not only are fun for kids to do and help with their information retention, they also serve as a permanent record of their learning. The students can refer to it when looking for information, or they can use it in presentations to friends and relatives thus further reinforcing their learning.

I hope your student(s) will enjoy this lapbook and the information learned will remain with them.

Activities

1. What are microbes?
2. What are microbes called when they can make you sick?
3. What are some benefits we get from microbes?
4. What are the five most common types of microbes?
5. What is a cell?
6. When are fungi no longer a microbe?
7. How do enzymes help fungi and bacteria eat?
8. How do different types of microbes reproduce? (fungi, yeast, bacteria)
9. What conditions do microbes like and don't like?
10. What's in a compost? What does compost turn into? What does it look like?
11. What is decomposition? What is produced during decomposition?
12. Antibiotics are made from what?
13. How is a protozoan different from other microbes?
14. How can flies carry diseases around?
15. How big are viruses?
16. What is the single purpose of a virus?
17. How many different types of viruses can cause colds?
18. Describe a virus by itself and in contact with living things.
19. What parts of our bodies keep microbes out?
20. How can germs get into our bodies?
21. What good habits can you have to help you stay healthy?
22. Describe the five steps to clean hands.
23. When should you wash your hands?
24. What is the fermentation process?
25. What are some uses of microbial enzymes?
26. What is the job of red blood cells? What is the job of white blood cells?
27. What are some ways our bodies help with the work of the white blood cells?
28. What are some diseases caused by bacteria? What are some diseases caused by viruses?
29. What do antibiotics kill?
30. What are antibodies used for?
31. How do vaccines work?

Instructions

1. **What are microbes.** Cut out the card, fold in half, and write your answer inside.
2. **Sick microbes.** Cut out the card, fold in half, and write your answer inside.
3. **Microbe benefits.** Cut out the card, fold in half, and write your answer inside.
4. **Common microbes.** Cut out the shape and fold each flap in along the dotted lines. Write each common microbe under each flap.
5. **Cell.** Cut out the card, fold in half, and write your answer inside.
6. **No longer a microbe.** Cut out the matchbook and fold along the dotted lines. Write your answer on the inside.
7. **Enzymes help to eat.** Cut out the card, fold in half, and write your answer inside.
8. **Reproduction.** Cut out all the tabbed pages and the cover. Write your answer on each page. Stack the pages together with the cover on top and staple them together on the bottom.
9. **Conditions.** Cut out the card and fold along the dotted lines. Write the answer under the two flaps ("I like it", "not for me"). Close the flaps and fold in half to reveal the cover.
10. **Compost.** Cut out all the shapes for the compost question. Write your answer on the appropriate page, leaving space on the bottom for stapling. Use the extra page for your answer if necessary. Stack all the pages together, put the cover on top, and staple them together on the bottom.
11. **Decomposition.** Cut out the card, fold accordion style along the dotted lines, and write your answers under each question.
12. **Antibiotics.** Cut out the card, fold in half, and write your answer inside.
13. **Protozoan.** Cut out the card, fold in half, and write your answer inside.
14. **Diseases.** Cut out the card, fold in half, and write your answer inside.
15. **How big.** Cut out the magnifying glass and the cover. Write your answer on the magnifying glass and glue the cover on as indicated.
16. **Single purpose.** Cut out the number one card, fold in half, and write your answer on the inside.
17. **Cold viruses.** Cut out the matchbook and fold along the dotted lines. Write your answer on the inside.
18. **Virus alone and in contact.** Cut out the card and fold over the top and bottom flap. Write your answer under each flap.
19. **Keep out.** Cut out the card, fold in half, and write your answer inside.
20. **Germs getting in.** Cut out the card, fold in half, and write your answer inside.
21. **Healthy habits.** Cut out the shape and fold along the dotted lines. Write your answer on the inside.
22. **5 steps.** Cut out all the tabbed pages and the cover. Describe each step on the appropriate page. Stack the pages in order with the cover on top and staple them together on the bottom.
23. **When to wash.** Cut out the pocket along the outside lines. Fold along all dotted lines and glue the flaps to the back of the pocket. Cut out all the cards and on each card write an example of when you should wash your hands. Put all the cards into the pocket.
24. **Fermentation.** Cut out the card, fold in half, and write your answer inside.
25. **Microbial enzymes.** Cut out the card, fold in half, and write your answer inside.
26. **Job description.** Cut out the connected matchbook. Cut along the solid lines and fold along all dotted lines. Write your answer inside each side of the matchbook.

27. **Helping white blood cells.** Cut out the card, fold in half, and write your answer inside.
28. **Diseases caused by.** Cut out the card and make the shutter fold along the two dotted lines. Write your answer under each flap.
29. **Antibiotics kill.** Cut out the card, fold in half, and write your answer inside.
30. **Uses of antibiotics.** Cut out the card, fold in half, and write your answer inside.
31. **Vaccines.** Cut out the cover and the needle plus any cover shaped extra pages that might be needed. Write your answer on the blank page(s) and staple them together on the left side of the needle as indicated.

What are Microbes?

microbes

Benefits

microbes

What are the five most common types of

WHAT IS A CELL?

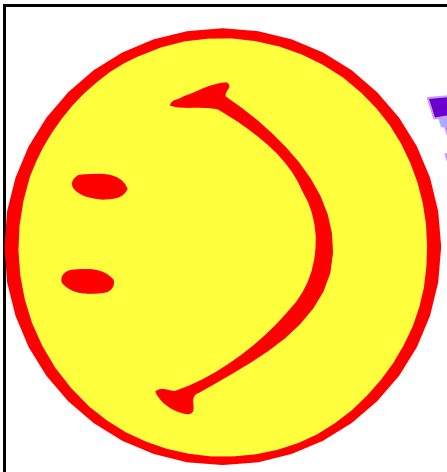
When are fugi no longer a microbe?

How do enzymes help fungi and bacteria eat?

fungi

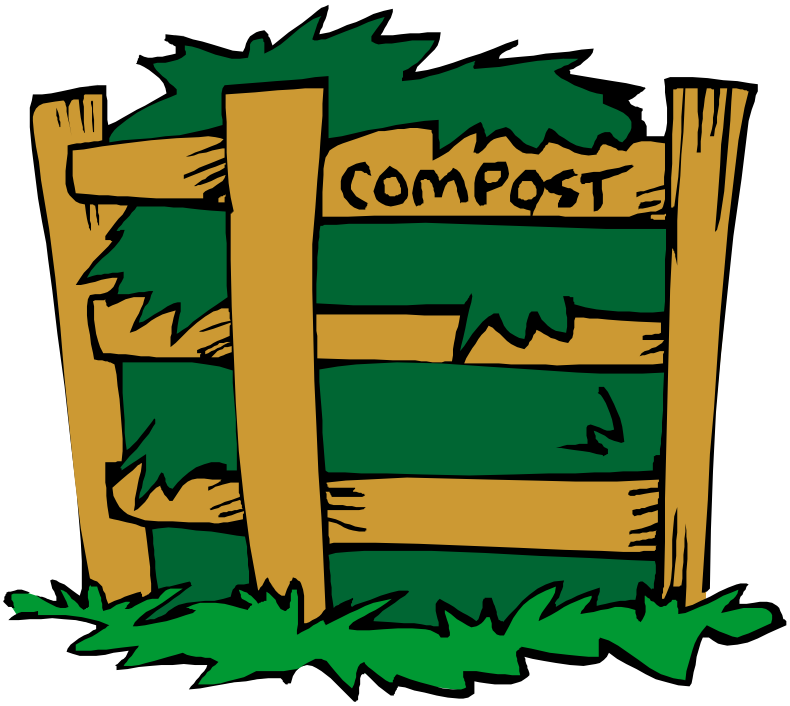
yeast

bacteria



I like it!

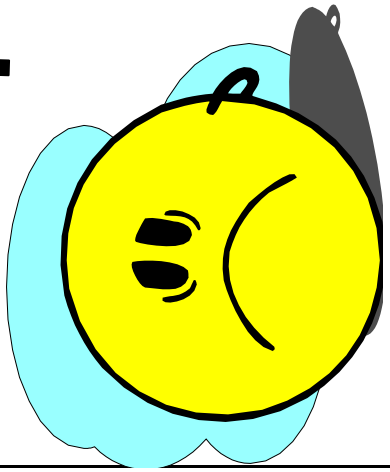
Good and bad conditions for microbes



What's in a compost?

_____ _____

Not for me...



What does compost turn into?

_____ _____

What does the result of compost look like?

_____ _____

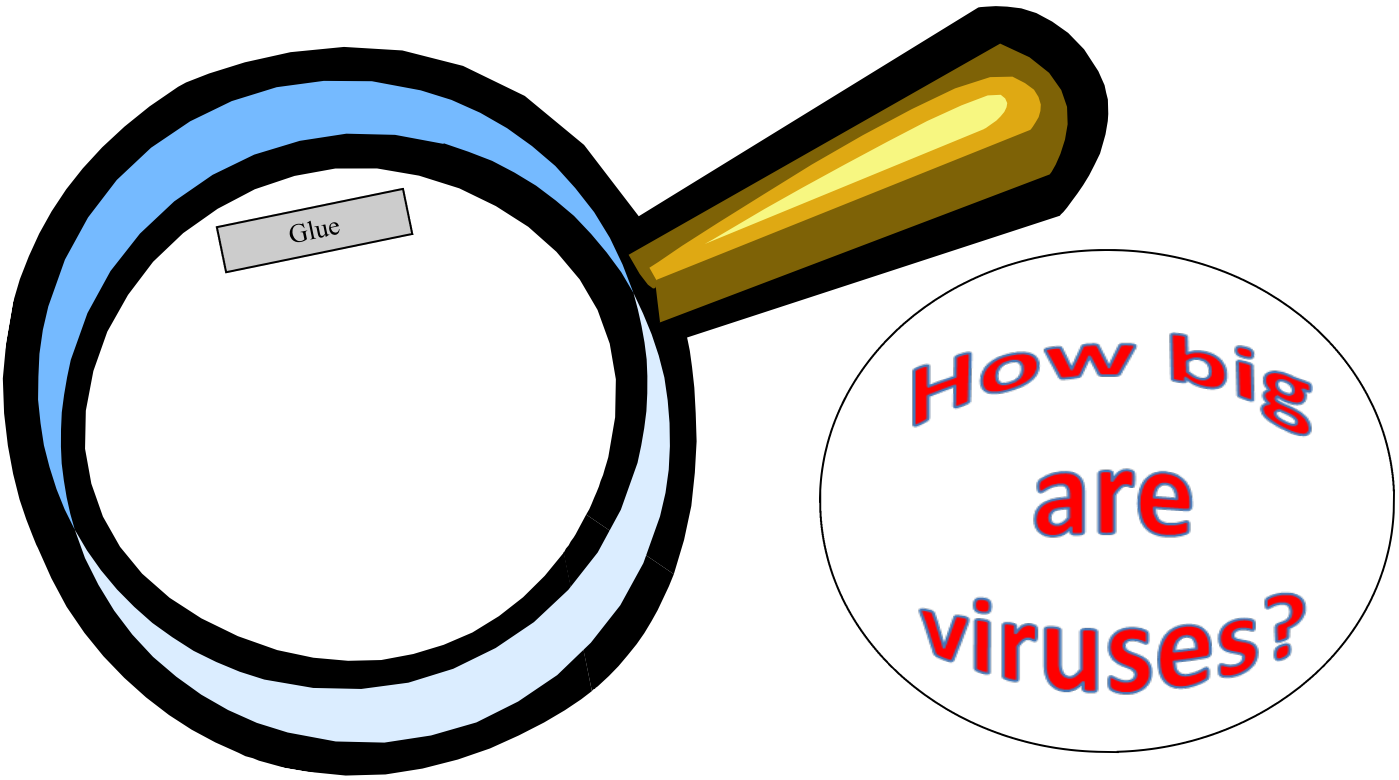
_____ _____

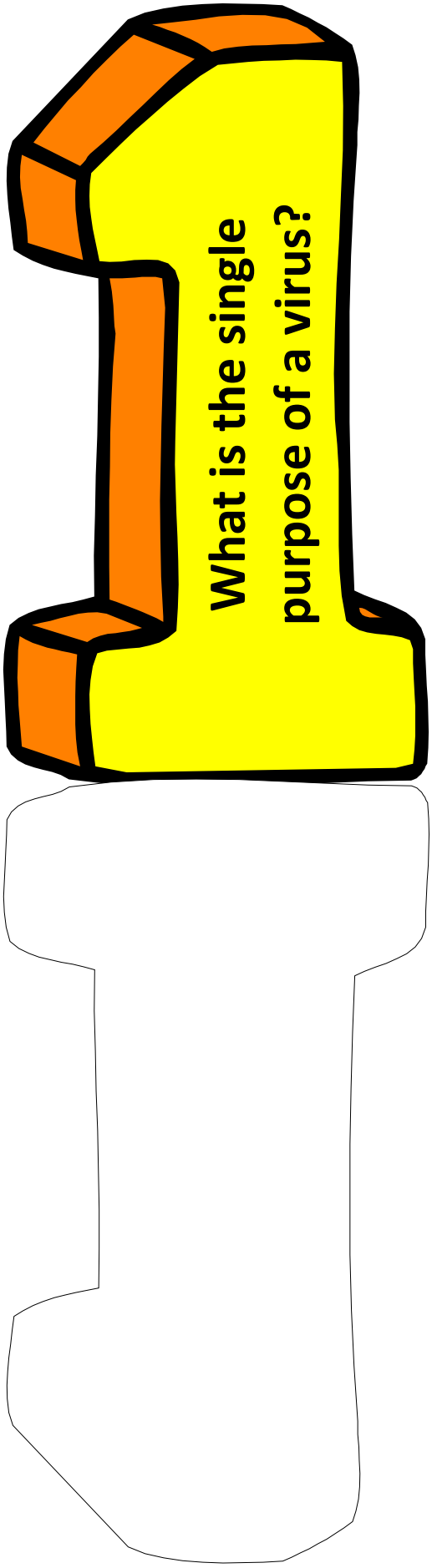
What is decomposition?

What is produced during decomposition?

What are antibiotics made from?

How is a protozoan different from other microbes?

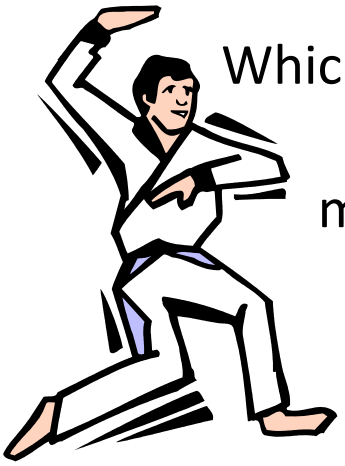




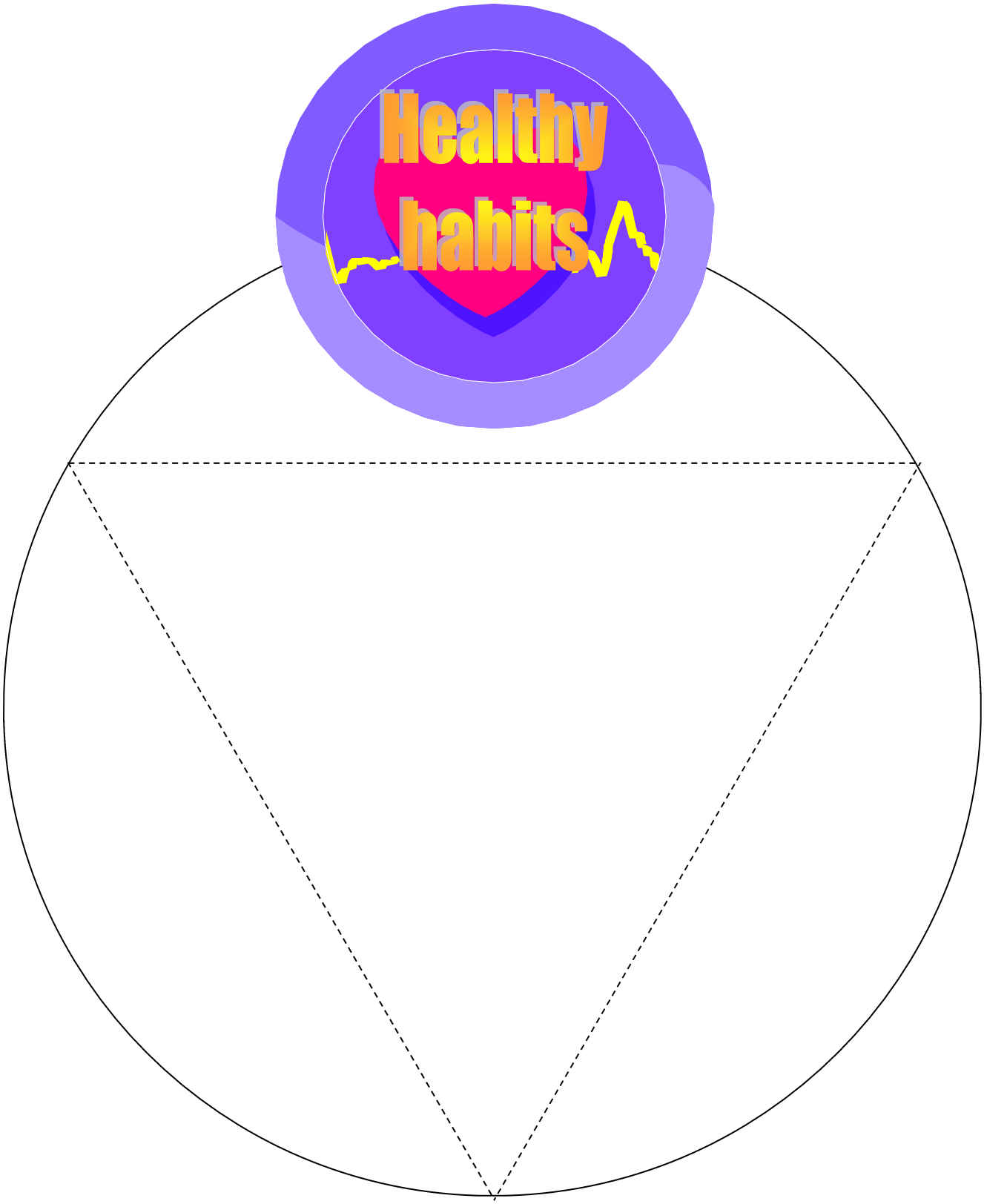
How many different types of viruses can cause colds?

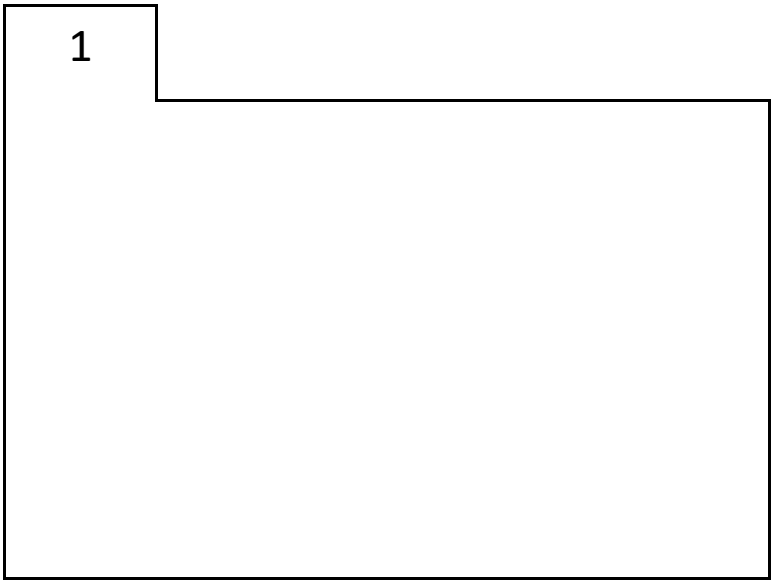
In contact with living things

Virus by itself



Which parts of our bodies keep microbes out?


Healthy
habits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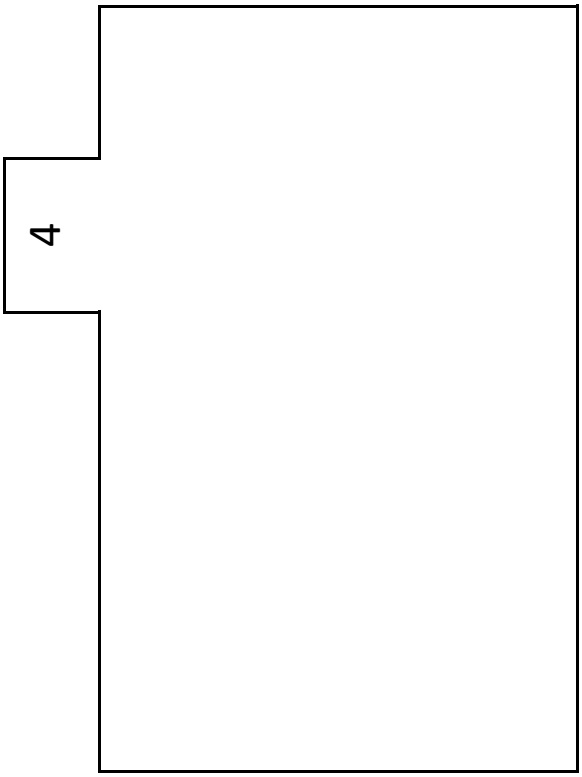
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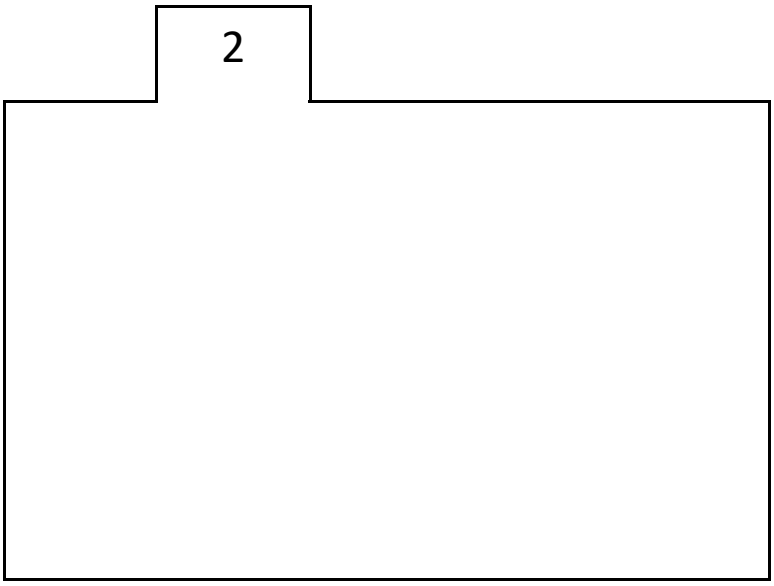
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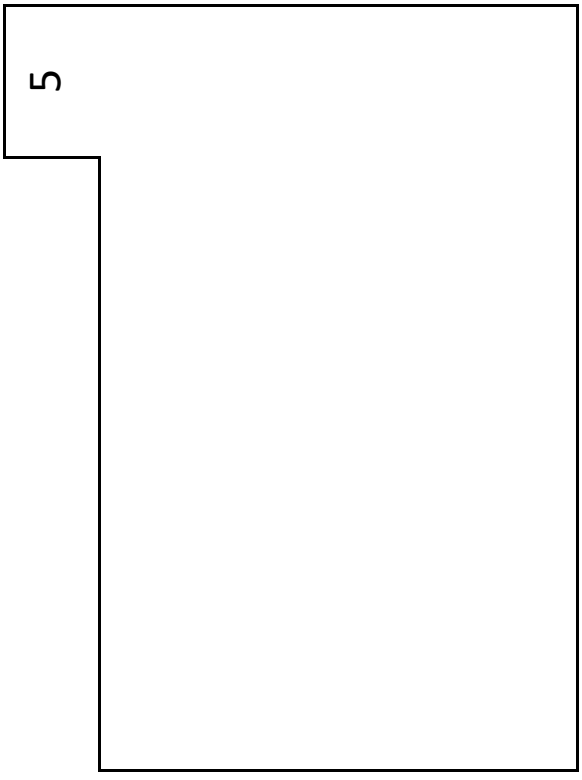
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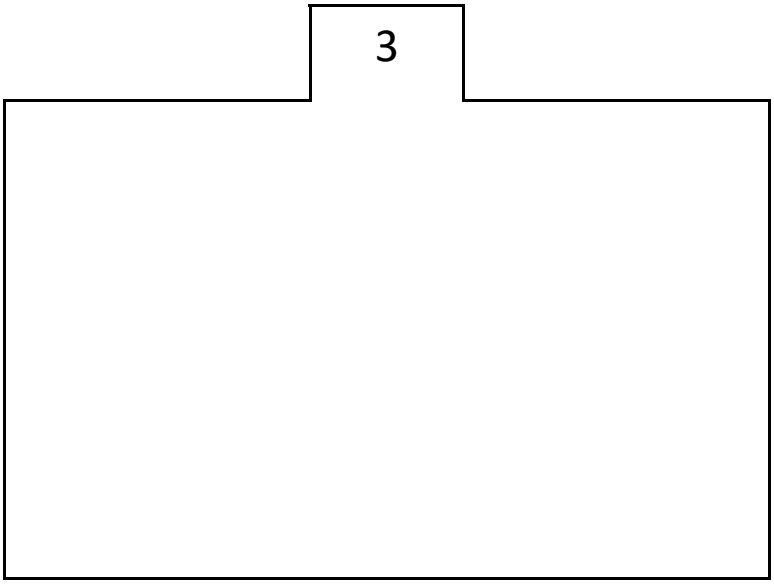
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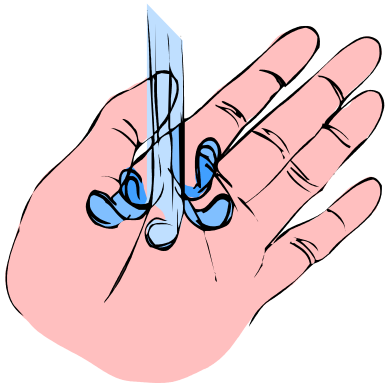
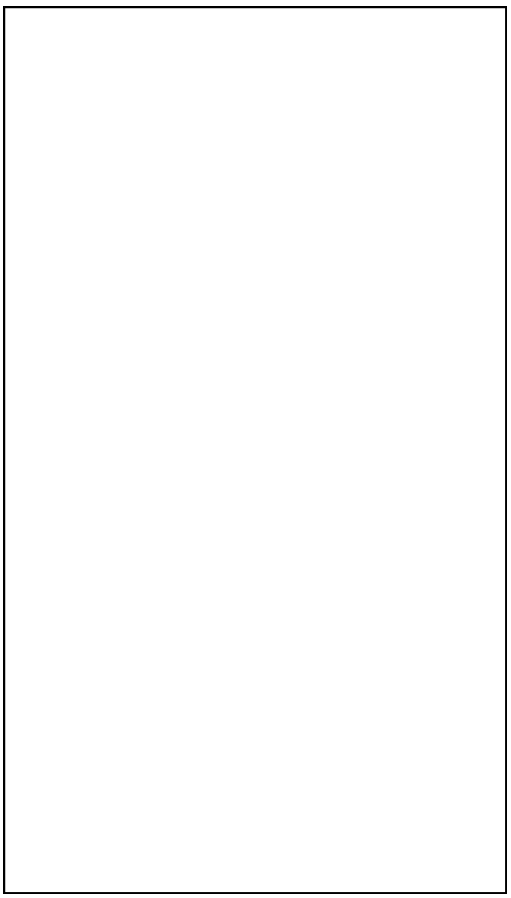
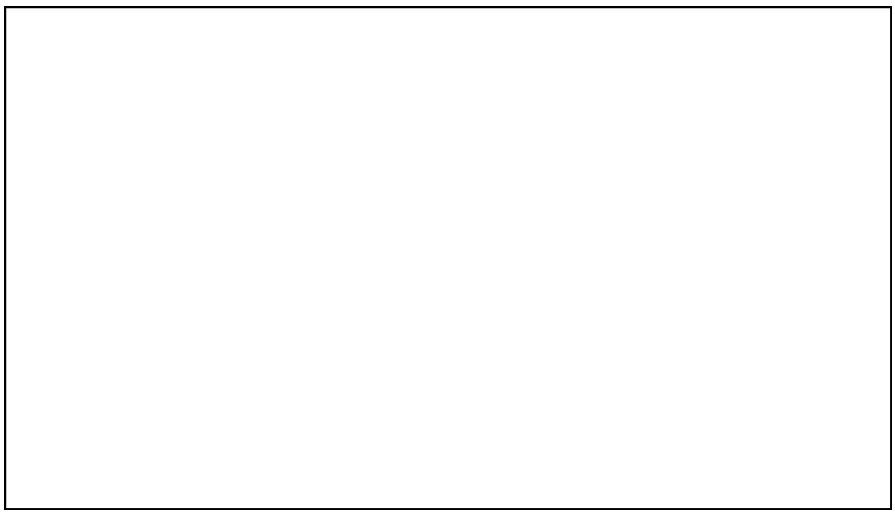
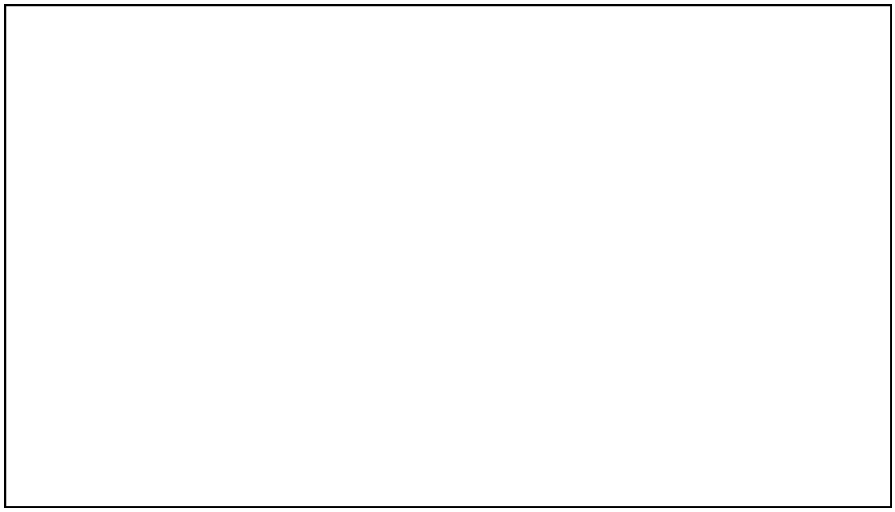


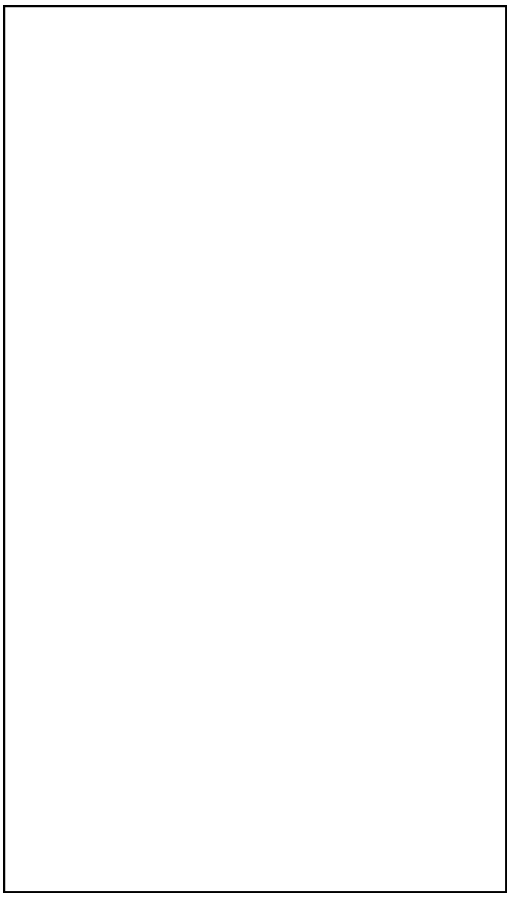
5 steps
to
clean

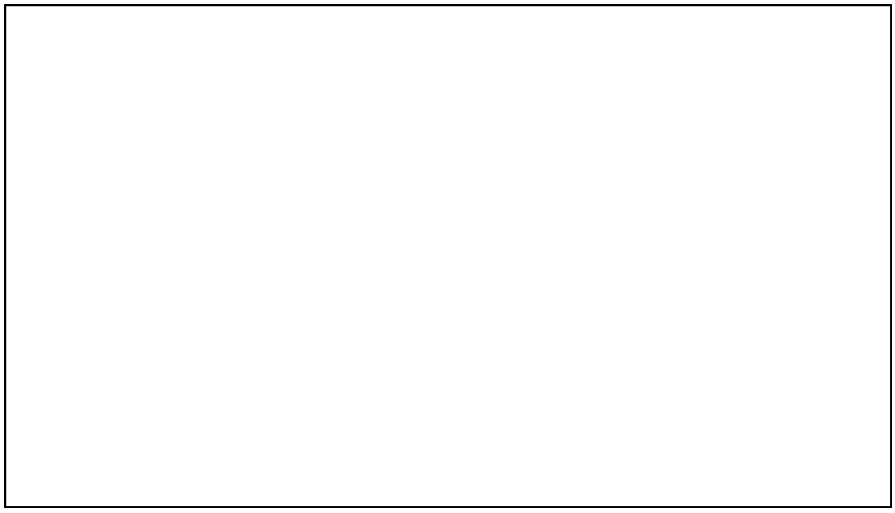
When should
you wash
your hands?

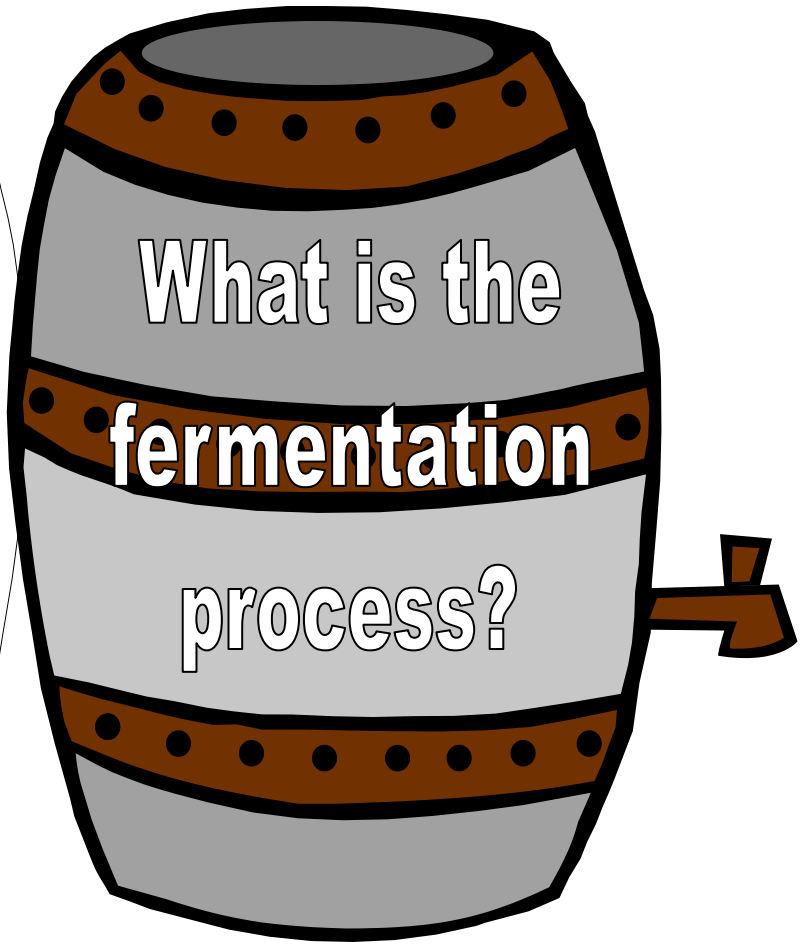












What are some uses of microbial enzymes?

RED BLOOD CELL	WHITE BLOOD CELL
Job Description	

	How our bodies  the white blood cells

caused by:

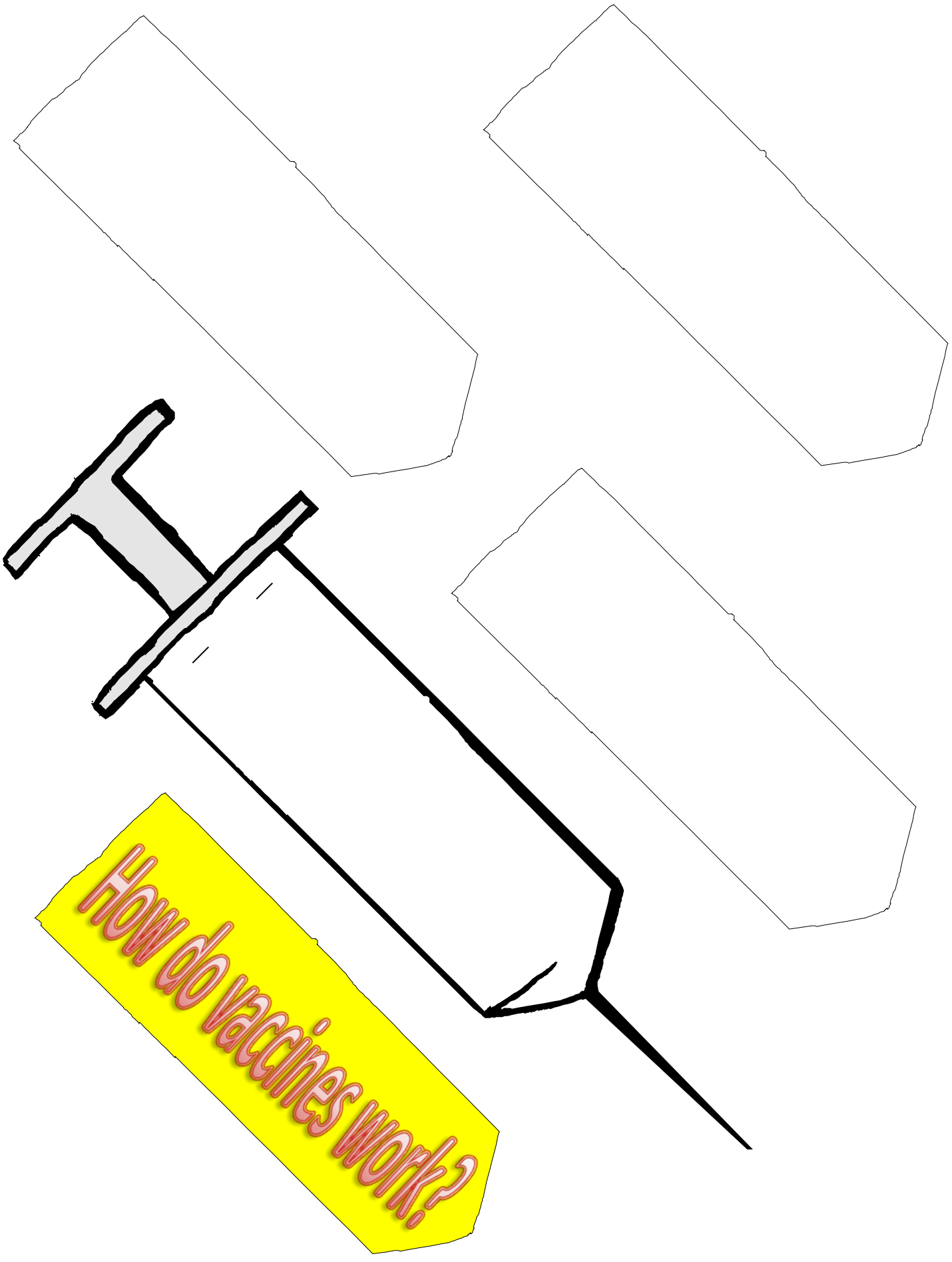
viruses

Diseases c

bacteria

What are some uses of antibodies?

What do antibiotics kill?


How do vaccines work?

Extra Pictures