

MY ABC'S MIGHT INFECT ME!

You will pick at least 4 pathogens from the list below and complete the 11 steps in the RUBRIC. You may create this on paper or electronically. YOU MUST USE AT LEAST ONE BOOK AS A SOURCE FOR AT LEAST ONE PATHOGEN.

RUBRIC

TABLES: To get full credit you must label each piece of information per page.

1. List the microbe's common name, scientific name, and Microbe type (all found in the chart provided)
2. Cause (How do people come in contact with, or become infected by, this microbe?)
3. What part(s) of the body are affected by this microbe?
4. Where in the world is this microbe most common? If it is most commonly found in 1 country or region, why? (HINT: Think about the areas living conditions, economics, and climate).
5. Is this microbe more likely to infect a certain group of individuals (certain cultures of people, certain age groups, genders...)
6. What types of structures does this microbe have to help it to move around and 'survive' in its host?
7. Would you classify this microbe as helpful or harmful? Please back up your claim with at least 1 piece of evidence from your research.
8. Symptoms (what happens to your body when you become exposed to this microbe?)
9. Treatment (Are there any medications?)
10. Each page must have an IMAGE of your microbe. Not an image of a person with symptoms.
11. Reference: The webpage you found the information should be written/ typed at the bottom of each page.

Great Resources

Mayoclinic.org

CDC.gov

Books on blue cart at the front of the room.

MICROB ABC LIST

LETTER	Common Name	Scientific Name	Microbe
A	Anthrax	<i>Bacillus anthracis</i>	Bacteria
B	Blastomycosis	<i>Blastomyces dermatitidis</i>	Fungus
C	Cholera	<i>Vibrio cholera</i>	Bacterium
D	Dengue Virus	<i>Flavivirus Dengue virus</i>	Virus
E	Ebola	<i>Ebolavirus Zaire ebolavirus</i>	Virus
F	Flu	<i>Orthomyxoviridae</i> family	Virus
G	Giardia	<i>Giardia lamblia</i>	Protist
H	Hantavirus	<i>Hantavirus Hantaan virus</i>	Virus
I	Intestinal Roundworm	<i>Ascaris lumbricoides</i>	Parasite
J	Japanese encephalitis virus	<i>Flavivirus Japanese encephalitis virus</i>	Virus
K	Keratitis	<i>Acanthamoeba</i> genus	Protist
L	Leishmaniasis	<i>Leishmania</i> genus	Protist
M	Malaria	<i>Plasmodium</i> genus	Protist
N	Necrotizing fasciitis	<i>Streptococcus pyogenes</i>	Bacteria
O	Onchocerciasis	<i>Onchocerca volvulus</i>	Parasite
P	Plague	<i>Yersinia pestis</i>	Bacteria
Q	Q Fever	<i>Coxiella burnetii</i>	Bacteria
R	Ringworm	<i>Dermatophytes</i>	Fungus
S	Small Pox	<i>Variola major virus</i>	Virus
T	Tuberculosis	<i>Myobacterium tuberculosis</i>	Bacteria
U	Undulant Fever	<i>Brucella melitensis</i>	Bacteria
V	Viral Gastroenteritis	<i>Rotavirus</i>	Virus
W	West Nile Disease	<i>West nile disease virus</i>	Virus
X	NONE	<i>NONE</i>	NONE
Y	Yellow fever	<i>Yellow fever virus</i>	Virus
Z	Zygomycosis	Mucorales Order	Fungus

EXAMPLE:

Anthrax

1. Found (Where does this microbe tend to be found: certain countries, water sources, etc.?)
 - Look under Mayo Clinic Site (see below to navigate to Anthrax page) and click on Causes on the left.
2. Helpful or harmful to people (does it infect people at all?)
 - Mayo clinic search for “anthrax” → “definition” link OR

The image shows two screenshots of the Mayo Clinic website. The top screenshot displays the main navigation menu with 'PATIENT CARE & HEALTH INFO' circled in red. A red arrow points from this menu to a sub-menu where 'Diseases & Conditions A-Z' is also circled in red. Below this, a 'Quality Care' section is visible. The bottom screenshot shows the 'Diseases and Conditions' page with a search bar and an alphabetical grid. The letter 'A' in the grid is circled in red, with a red arrow pointing to it from the 'Diseases & Conditions A-Z' link in the top screenshot.

MAYO CLINIC Search Mayo Clinic Req Find Find Give

PATIENT CARE & HEALTH INFO DEPARTMENTS & CENTERS RESEARCH EDUCATION FOR MEDICAL PROFESSIONALS

Diseases and Conditions

Comprehensive guides on hundreds of conditions.

Narrow your search

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z	#			

A

- Abdominal aortic aneurysm
- Abscess
- Absence
- Acanthosis nigricans
- Achalasia
- Achilles tendinitis
- Achilles tendon rupture
- Acid reflux (See: GERD)
- Acid reflux, infant (See: Infant reflux)

○ **“Ctrl + F” to open text search box, and type in “anthrax”, or just scroll through the list.**

○ **Click on the highlighted word “anthrax” to go to info page.**

○ **Appointments at Mayo Clinic**
 Mayo Clinic offers appointments in Arizona, Florida and Minnesota and at Mayo Clinic Health System locations.

MAYO CLINIC Search Mayo Clinic Req Find Find Give

PATIENT CARE & HEALTH INFO DEPARTMENTS & CENTERS RESEARCH EDUCATION FOR MEDICAL PROFESSIONALS

Diseases and Conditions

Anthrax

Basics In-Depth Multimedia Resources News From Mayo Clinic

Definition
By Mayo Clinic Staff

Definition
Anthrax is a rare but serious illness caused by a spore-forming bacterium, *Bacillus anthracis*. Anthrax mainly affects livestock and

○ **Definition**

○ **Symptoms**

○ **Causes**

3. Cause (How does it infect you? How does it get inside your body?)
- [Link on left for Causes](#)

4. Symptoms (what happens to your body when you get it)
 - [Link on left for Symptoms](#)
5. Treatment (Medications, if any)
 - [Link on left for Treatment and Drugs](#)

Other Useful Sites:

- [CDC.gov](#)
- [Wikipedia](#) (used to make getting info on Mayo Clinic and CDC sites easier)
 - EXAMPLE: If a disease is not listed under one letter on Mayo Clinic, for example, searching Wikipedia can give other names that may show up on Mayo Clinic under a different letter (but be the same disease, and therefore the information you need).