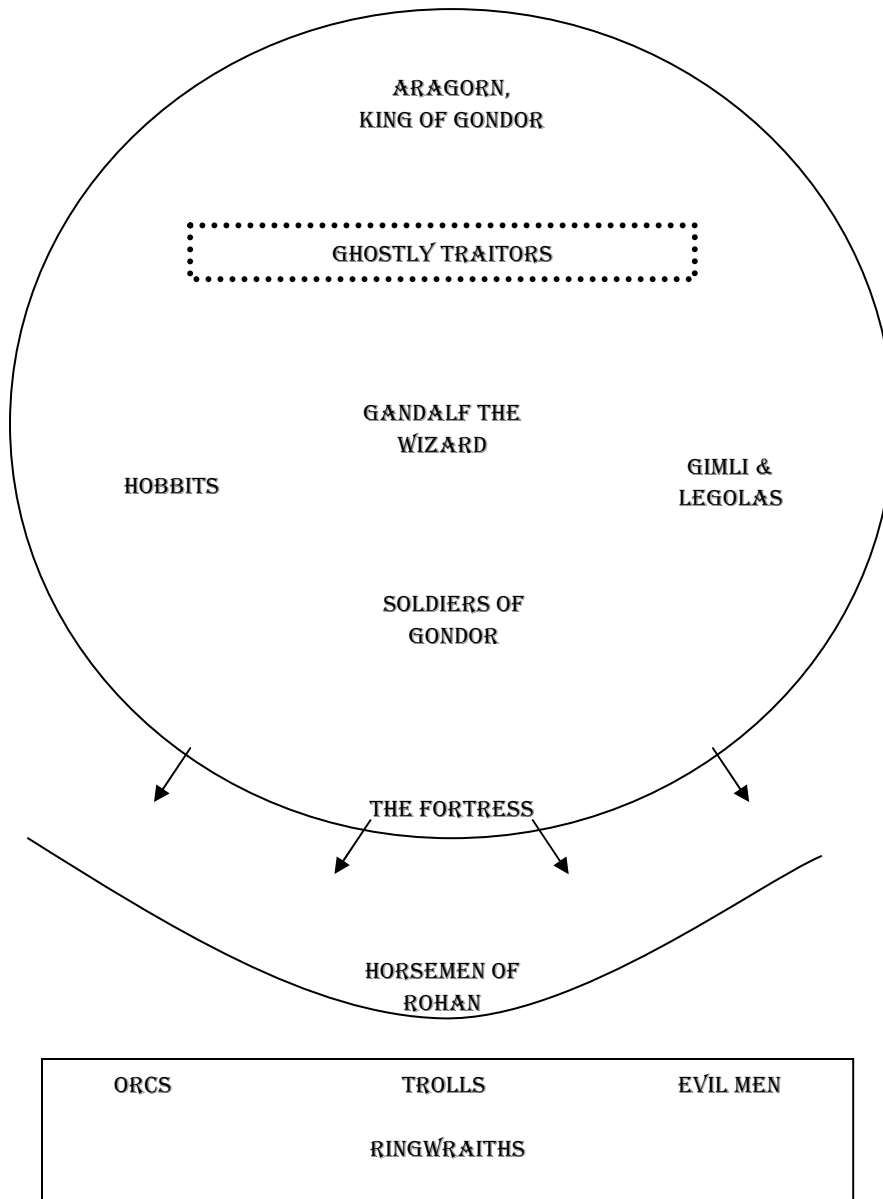


"LORD OF THE IMMUNE SYSTEM" PODCAST WORKSHEET

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NAME:



LABEL EACH PART OF THE DIAGRAM WITH THE FOLLOWING:

- | | | |
|------------------------------|---|-------------------|
| ➤ BACTERIA | ➤ FOREIGN ANTIGENS | ➤ PROTOZOA |
| ➤ COMPLEMENT | ➤ HELPER T CELLS | ➤ LYSOZYME |
| ➤ VIRUSES | ➤ INFLAMMATION & FEVER | ➤ PARASITIC WORMS |
| ➤ EOSINOPHILS | ➤ SKIN & MUCOSA | ➤ B CELLS |
| ➤ PHAGOCYTES/
MACROPHAGES | ➤ ANTI-MICROBIAL SECRETIONS | ➤ ANTIBODIES |
| | ➤ CYTOTOXIC T CELLS/ NATURAL KILLER CELLS | ➤ CYTOKINES |

THEN BRIEFLY DESCRIBE THE ROLE OF EACH COMPONENT OF THE IMMUNE SYSTEM IN DEFENSE AGAINST PATHOGENS IN THE MARGINS OF THIS PAGE.

REVIEW QUESTIONS

1. WHAT ARE THE **5 TYPES** OF “GHOSTLY TRAITORS” MADE BY THE IMMUNE SYSTEM?
2. WHAT IS THE GENERAL NAME FOR THE “**BEACONS/SIGNALS**” THAT THE “**HOBBITS**” OF OUR IMMUNE SYSTEM SEND OUT?
3. HERE ARE FOUR DIFFERENT DISEASES. WHICH OF THE FOUR TYPES OF “BAD GUYS” CAUSE THESE DISEASES IN HUMANS? GIVE THE REAL NAME OF THESE BAD GUYS.
A) AIDS B) MALARIA C) STREP THROAT D) PINWORM
4. WHICH “CHARACTERS” ARE INVOLVED IN THE HUMORAL IMMUNE RESPONSE? GIVE THEIR **REAL NAME** AND INDICATE WHAT DO THEY DO.
5. WHICH “CHARACTERS” ARE INVOLVED IN THE CELL-MEDIATED IMMUNE RESPONSE? GIVE THEIR REAL NAME AND INDICATE WHAT DO THEY DO.
6. HOW WOULD YOU FIT **VACCINATION** OR **ANTIBIOTIC DRUG THERAPY** INTO THIS ANALOGY?
7. WHAT IS THE DIFFERENCE BETWEEN **INNATE** AND **ACQUIRED** IMMUNITY?

ON YOUR OWN — CREATE YOUR OWN ANALOGY OF THE IMMUNE SYSTEM (OR SOME SPECIFIC COMPONENT OF IT) USING A STORY, MOVIE PLOT OR OTHER SOURCE OF INSPIRATION. USE YOUR ANALOGY (OR THIS ONE) TO STUDY FOR THE NEXT EXAM!