

Pathogens in Microbiology Lab (34 marks)

How did the term 'disease' develop? (1 mark)

What is a pathogen? (1 mark)

What is a pathologist? (1 mark)

What does the term virulence mean? (1 mark)

Below you are going to look at four types of pathogen causing microbes. Many of these microbes cause common illnesses you may have heard of in the past.

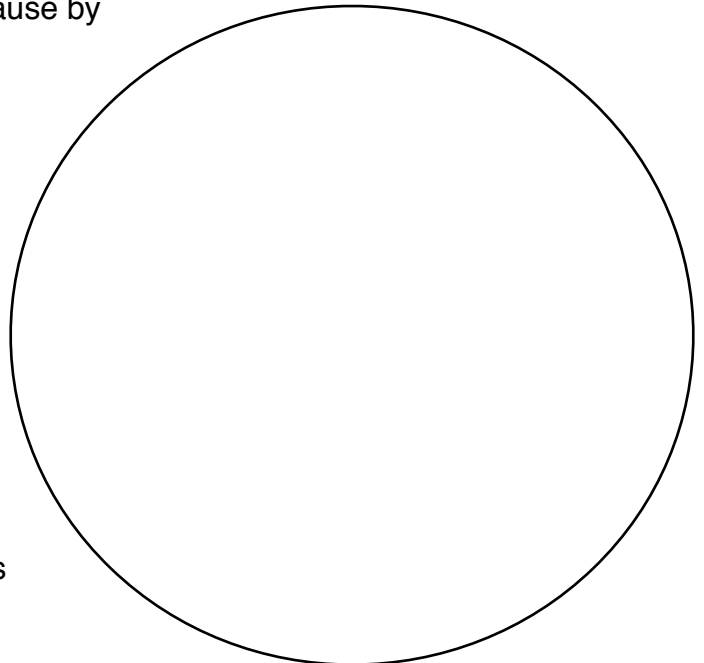
VIRAL DISEASE: Influenza Virus (10 marks)

List three types of human diseases that are caused by viruses:

Why are viruses not considered to be alive?

What is a capsid?

What are the proteins on the outside of a virus used for?



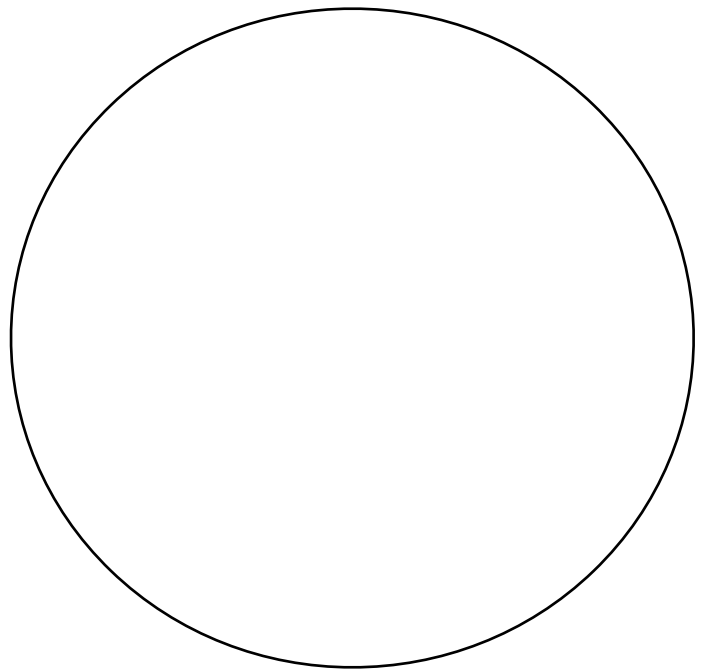
Use the space above to draw the influenza virus

SBI 3C
J. Kropac

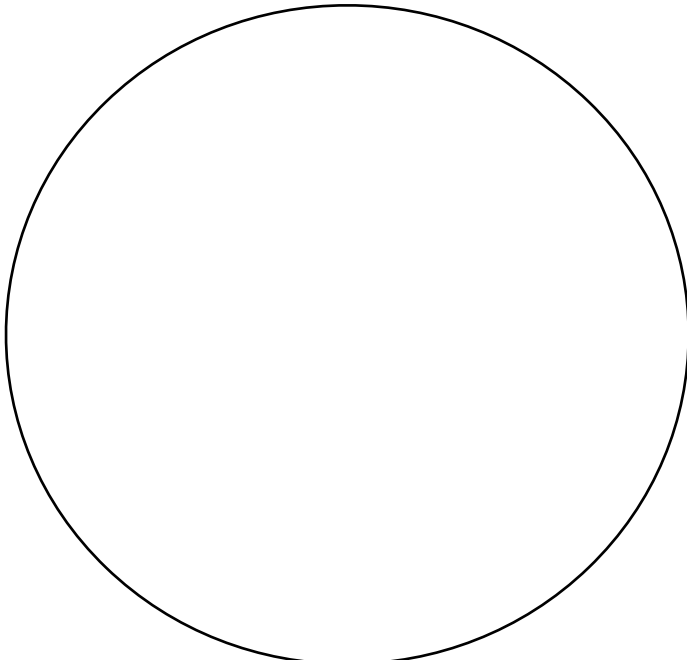
BACTERIAL DISEASE: Tuberculosis
Bacillus (6 marks)

What bacteria causes tuberculosis?

How did tuberculosis get its name?



Use the space above to draw the bacteria that causes tuberculosis



Use the space above to draw the protist that causes dysentery

PROTIST DISEASE: Amoebic Dysentery (8 marks)

Are protists considered to be prokaryotes or eukaryotes?

What are two examples of human diseases caused by protists?

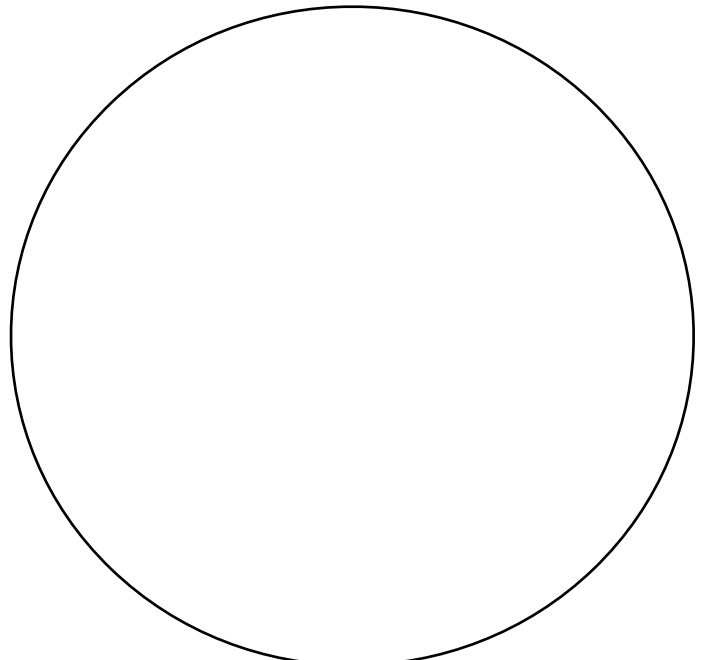
What microbe causes amoebic dysentery?

FUNGAL DISEASE: Candida Albicans (8 marks)

What do fungi typically do in the environment?

Name two diseases caused by fungi.

What are hyphae and what does the fungus use them for?



Use the space above to draw the fungus that causes yeast infections