## Microbiology for nursing Practice Exam #1

 Fill in the missing information on a table comparing the 5 different kingdoms.

Prokaryotic/	Sex	Cells in	Autotrophic/	Cell	# cells in
Fukarrotia	Cralo	Organism	Untorotrophia	₩-11	annot anaia
<u> </u>		<u> </u>	<u> </u>	I	<u> </u>
	_	_			

2.	Contrast the terms parasite and host.
3.	Contrast the terms infection and disease.
	List and define the stages of disease.
<b></b> .	a.
	b
	c
	d
5.	What is a nosocomial infection?

•	Contrast communicable and non-communicable diseases.								
	Contrast acute, chronic and latent diseases.								
•	Contrast and define the terms pathogen and virulence								
•	Explain what landscape epidemiology is. What factor								
	are studied in landscape epidemiology to explain								
	disease outbreaks?								
	a								
	b								
	C								
	d								
	e								
	f								
	g								
•	Evoluin the difference between a retrespective study								
	prospective study and cohort group study.								
	prospective study and cohort group study.								
	prospective study and cohort group study.								
	prospective study and cohort group study.  a. Retrospective -								

	ntrast the terms endemic, epidemic, enzootic,
ep	izootic.
a.	Endemic -
b.	Epidemic -
c.	Enzootic -
d.	Epizootic -
_	
	fine the following measures of disease or infection evalence, incidence, intensity, morbidity rate or
	rtality rate
a.	Prevalence -
b.	Incidence -
c.	<pre>Intensity -</pre>
_	·
d.	Morbidity Rate -
d.	Morbidity Rate -
	Morbidity Rate -  Mortality Rate -
e.	
e.	Mortality Rate -
e.	Mortality Rate -  That are the 6 basic steps in the science process.
e. W	Mortality Rate -  That are the 6 basic steps in the science process.
e. W	Mortality Rate -  That are the 6 basic steps in the science process.
e. Wa.	Mortality Rate -  That are the 6 basic steps in the science process.

Ι	
tes	e two ways a hypothesis can be eliminated withou ting. Are there any short comings to using these hods to eliminate a hypothesis? What is a
	othesis?
- -	
b	
- Giv	e three reason why in a scientific investigation
is	necessary to work with more than one hypothesis?
a	
- b	
_	
c	
_ Lis	t three things that could be done to increase yo
con	fidence in a supported hypothesis.
a	
- b.	
_	
c.	
_	

	b										
18.	Why study microbiology? Give 3 resons.										
	b										
	c.										
19A.	What is the germ theory of disease? What is the theory spontaneous generation? How did Pasteur and Tyndall disprove the theory of spontaneous generation										
19B.	What is Koch's postulate used for? Explain the steps of Koch's postulate.										
	a										
	b										
	c.										
	d										

20A. Be able to draw simple models of DNA & M-RNA

20B. Be able to draw simple models of T-RNA.

21. Using the terms ribosome, transcription, and translation clearly explain the steps of protein synthesis.

a.

b	
c	
d	
e	
 22.	Explain the difference between prokaryotic and eukaryotic ribosomes.
23.	What are elongation factors and what do they do?
24.	What is M-RNA splicing? Does in occur in both prokarotes and eukarotes? Which does it occur in?
25.	What is the smallest thing you can see with the light microscope and the transmission electron microscope?

Contrast the light, phase contrast, dark field, and								
fluorescent microscopes for how they work.								
·								
Contrast the transmission electron microscope with th								
scanning electron microscope explaining how they work								
Be able to arrange taxonomic groups in their proper								
order (i.e., kingdom, phylum, class, etc.)								
order (r.e., kringdom, phyrum, crass, ecc.)								
Be able to write a scientific name in proper format.								
Be able to write a scientific name in proper format.								
Be able to write a scientific name in proper format.								

29.	Be able	to	write	a	common	name	for	a	species	in	proper
	format										