

Viruses and Monera Test Review

Biology 113

1. Define the following words:

Antibiotic (pg 97)- substances that kill harmful bacteria

Capsid (pg 92) – outside of the virus, gives it its shape

Viral replication (pg 93)- the process viruses use to reproduce, must be in a host

Binary fission (pg98) – the process bacteria use to reproduce, one bacteria divides into two, asexual process

Bacilli (pg 96) – rod-shaped bacteria

Bacteria (pg 96) – living organisms with simple structures

Cocci (pg 96)- rounded shaped bacteria

Spirilla (pg 96) – curved or spiral shaped bacteria

Nucleic acid- part of the virus structure, genetic material

Monera (pg 96)- contains all bacteria

Staphylococci (pg 96)- cocci that are foremed into grape-like bunches

Diplobacilli (pg 96) – two or more bacilli

2. State Whether each of the following terms is associated with Monera or Viruses or both

Antibiotic (Monera)	Spirilla (Monera)	capsid (Virus)
Staphylococci (Monera)	replication (Virus)	binary fission (M)
Bacilli (Monera)	air contamination (Virus)	bacteriophage (Virus)
tabacoo mosaic (Virus)	cocci (Monera)	living (Monera)
non-living (Virus)	decomposers (Monera)	

3. **Matching:** Write the term from the list provided that best matches each description.

staph	spirilla	bacilli	cocci	decomposer
capsid	strep	replication	fission	antibiotic

1. spiral shaped bacteria **spirilla**
2. reproduction of viruses **replication**
3. rod-shaped bacteria **bacilli**
4. protein coat of a virus **capsid**
5. organisms that feed on the remains of dead organisms **decomposer**
6. round bacteria **cocci**
7. term describing bacteria that grow in chains **strep**
8. term describing bacteria that grow in clusters **staph**

4. **True or False:** Circle T for true, or F if the statement is false.

- T F The shape of a virus is caused by its capsid.
- T F Pieces of nucleic acid with a protein coat are called viruses.
- T F Viruses may contain DNA, but never RNA.
- T F Spherical bacteria can sometimes form pairs of cells.
- T F A prefix that means “grapelike bunches” is “strepto.”
- T F Some disease causing bacteria may produce wastes that poison.
- T F Bacteria that break down dead organisms are called photosynthetic.
- T F Some bacteria may be used to make yogurt.
- T F Antibiotics are used to help bacteria grow.
- T F Viral reproduction is called replication.

5. pg 105 Concept Review (Understanding Photographs) refer back to page 96. #1-6

1. those on the left are rounded those on the left are rod-shaped.
2. Cocci
3. Bacilli
4. The bacteria on the left are grouped into grape-like bunches. The prefix is staphylo
5. the bacteria on the right are grouped into pairs of bacilli. The prefix is diplo.
6. The bacteria shape not represented is the spiral shaped or spirilla.