

QUIZ for lesson 4

- 1) What does "morphology" refer to? a) size b) shape c) change d) classification
- 2) What type of bacteria does T4 attack? a) typhus b) cholera c) Yersinia pestis d) E. coli
- 3) How fast can a bacteriophage do its entire replication process inside a cell?
a) 30 seconds b) 30 minutes c) 3 hours d) 3 days
- 4) Which one of these is NOT a viral part? a) membrane b) capsid c) collar d) DNA e) tail
- 5) Which one of these is NOT a bacteria part?
a) ribosome b) nucleoid c) endoplasmic reticulum d) cytoskeleton e) membrane
- 6) What does a ribosome do?
a) dissolves proteins b) makes proteins c) duplicates DNA d) assembles virus parts
- 7) What is the function of a phage's tail fibers?
a) to let it walk around b) to inject DNA c) to poke holes in the surface of the bacteria
d) to attach to a receptor on the surface of a bacteria
- 8) Which of these diseases did d'Herelle NOT try to cure with phages?
a) yellow fever b) dysentery c) cholera d) plague e) typhus
- 9) Which continent did d'Herelle never visit? a) Africa b) North America c) Asia d) Antarctica
- 10) What disease does "Yersinia pestis" bacteria cause?
a) typhus b) Bubonic plague c) cholera d) dysentery

TRUE or FALSE?

- 11) _____ Bacteriophages can slowly walk using their "legs" (tail fibers).
- 12) _____ Some enzymes can dissolve (break apart) proteins.
- 13) _____ Every living cell is surrounded by at least one membrane made of lipids.
- 14) _____ The lytic cycle allows the virus to hide for a long time.
- 15) _____ Viral DNA is not the same as bacterial DNA.

INTRO TO VIROLOGY

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ANSWER KEY

- 1) b
- 2) d
- 3) b
- 4) a
- 5) c
- 6) b
- 7) d
- 8) a
- 9) d
- 10) b
- 11) F
- 12) T
- 13) T
- 14) F
- 15) F