

- 1) Which one of these viruses has the smallest genome? a) polio b) influenza c) corona d) smallpox
- 2) Which of these viruses carries the largest number of protein tools inside its capsid?
a) influenza b) smallpox c) corona d) HIV
- 3) Which of these has a segmented genome? a) polio b) papilloma c) corona d) influenza
- 4) Which of these has a pear-shaped capsid? a) smallpox b) HIV c) influenza d) papilloma
- 5) Which virus uses Reverse Transcriptase to turn RNA into DNA?
a) influenza b) papilloma c) HIV d) polio
- 6) Which type of information is NOT found in a viral genome?
a) how to make lipids b) how to make proteins c) how to copy RNA or DNA d) when to use tools
- 7) Viruses need all of these except one. Which one does it NOT need?
a) raw materials b) source of energy c) RNA polymerase d) ribosomes
- 8) Which one of these is NOT a type of viral genome? a) double-stranded DNA b) single-stranded DNA
c) segmented DNA d) DNA with gaps e) double-stranded RNA f) segmented RNA
- 9) Which one of these is NOT something RNA can have?
a) adenine b) thymine c) 5 prime end d) ribose e) untranslated region f) phosphates
- 10) REVIEW: Which of these life cycles allows a virus to hide for a long time?
a) lytic b) lysogenic
- 11) REVIEW: Who invented a vaccine for Rabies?
a) Edward Jenner b) Louis Pasteur c) Felix d'Herelle d) Jonas Salk
- 12) Which of these tools allowed scientists to discover the existence of viruses?
a) electron microscope b) X-ray crystallography c) Chamberland filter d) petri dishes
- 13) REVIEW: Which of these is NOT made of lipids?
a) membrane b) vesicles c) endosomes d) microtubules e) endoplasmic reticulum

TRUE or FALSE?

- 14) ____ A virus that has a genome made of DNA will probably be very interested in going into the nucleus.
- 15) ____ Some viruses carry information on how to make protein gadgets that will break cell machinery.

INTRO TO VIROLOGY

QUIZ for lesson 7

ANSWER KEY

- 1) a
- 2) b
- 3) d
- 4) b
- 5) c
- 6) a
- 7) c
- 8) c
- 9) b (Thymine is only found in DNA.)
- 10) b
- 11) b
- 12) c
- 13) d (It is a protein and is made of amino acids.)
- 14) T
- 15) T