


1.  Factors that increase the efficiency of runoff are \_\_\_\_\_. (Choose all that apply)

Select 2 answers

A  increased slope




B  increased urbanization



C  increased surface roughness




D  increased basin size

2.  Urban areas are at greater risk of flash floods not only because they produce a greater volume of runoff, but also because the runoff occurs more quickly. (Choose the best answer)

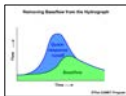
A  True

B  False

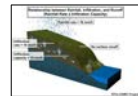


3.  \_\_\_\_\_ supports streamflow during non-storm periods.

A  Base-flow



C  interflow




B  Surface flow



D  Storm-flow



4.  Surface runoff occurs when the precipitation rate is \_\_\_\_\_ the infiltration rate

A  greater than

B  less than

C  equal to



5.  Surface runoff is:

A  The excess water after evaporation



B  The excess water from snow melt




C  The excess water from precipitation after evaporation and infiltration



D  Precipitation plus infiltration




6.  \_\_\_\_\_ type soils have larger pore spaces and allow for greater infiltration and percolation than \_\_\_\_\_-type soils, which have more pore space and can hold more water.

A  clay, sandy

C  sandy, sandy

B  sandy, clay

D  clay, clay

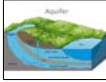
7.  Water filtering down through bedrock is:

A  Infiltration

C  Flow

B  Runoff

D  Percolation

8.  An aquifer is \_\_\_\_\_. Choose all that apply


Select 2 answers

A  an underground volume of rock and sand that contains water

B  a reservoir of water occurring in underground caves and caverns

C  not a significant source of drinking water

D  composed of water, soil, the void space within the soil, and subsurface material

9.  The annual evaporation in arid regions can never exceed the annual precipitation amount. True or False?

A  True

B  False




10.  The Probable Maximum Flood is:

A  an estimation of the largest possible flood that could occur at a particular location

B  the maximum flood experienced in the last 100 years

C  the maximum flood experienced in the last 200 years

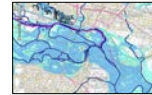
D  the maximum flood experienced since flood records have existed.

11.  Which of the following is used to estimate which areas will be inundated during a flood, based on river height information?

A  satellite and radar images



B  flood maps / floodplain hydraulic models



C  river gauging stations



D  all of the above.

