**Urban Water – Atmospheric Environment Interactions**

**Pre-Assessment Quiz**

1. How does an Urban Climate Archipelago differ from an Urban Heat Island?

2. List 3 reasons why a city may have an urban heat island.

3. Which of the following water cycle processes is not directly modified by urbanization?

a. evaporation

b. precipitation

c. runoff

d. groundwater storage

4. Assume that the following 2 statements are true:

a. The heaviest 1% of rainfall events is now more intense due to changing climate (National Climate Assessment report 2014)

b. Urban impervious surfaces are increasing.

What would you advise urban planners to do about future storm water management systems in their city? Defend your answer in 3 sentences or less.

5. About 40% of the Earth’s available water is freshwater, true or false?