

## Rooftop Gardens Quiz **Answers**

### True or False

Write either the letter “T” for true or letter “F” for false in the box before each statement.

<b>F</b>	1. Rooftop gardens make growing food in a city more difficult.
<b>T</b>	2. Rooftop gardens reduce and clean stormwater runoff.
<b>T</b>	3. The “urban heat island effect” affects weather and climate.
<b>T</b>	4. The sun heats the surface of the Earth through radiation.
<b>F</b>	5. Absorbers are materials that change the direction of light waves.

### Multiple Choice

Circle the best answer.

6. \_\_\_\_\_ surfaces absorb all wavelengths of light and therefore, get hotter than other colored surfaces.  
 (a) White    (b) Blue    (c) Red    **(d) Black**
7. During photosynthesis, plants use water and \_\_\_\_\_, which is a greenhouse gas.  
**(a) carbon dioxide**    (b) carbon monoxide    (c) oxygen    (d) ozone
8. \_\_\_\_\_ is the phenomenon in which ambient air temperature in cities is higher than its surrounding suburban or rural areas.  
 (a) Global warming    **(b) Urban heat island effect**  
 (c) Climate change    (d) Temperature inversion
9. Materials in cities, such as asphalt and concrete, absorb \_\_\_\_\_ heat compared to natural materials, such as plants and soil.  
 (a) less    **(b) more**    (c) the same amount of
10. Which of the following is something that structural engineers do NOT have to consider when constructing a rooftop garden?  
**(a) height of the roof**    (b) condition of the roof  
 (c) access to the roof    (d) structural capacity of the roof