**Heat Stress pre-post test key.doc**

**1. Heat Index (HI) is based on**

1. **air temperature and relative humidity**
2. humidity and wind speed
3. precipitation and solar radiation
4. air temperature and solar radiation

**2. UHI depends on**

1. **the spatial organisation/pattern of a city’s streets and buildings**
2. **termo isolation of buildings**
3. **the population of the city**
4. **wind speed**

**3. Albedo**

1. **is the measure of the diffuse reflection of solar radiation out of the total solar radiation**
2. **scale is from 0 to 1**
3. depends on material porosity
4. **affects climate by determining how much radiation a planet absorb**

**4. Urban heat island has consequences on**

1. **human health**
2. **loss of biodiversity**
3. producing oxygen
4. increasing temperature

**5. City vegetation contributes to:**

1. **absorbing pollutants from the air**
2. **increasing city albedo**
3. decreasing albedo
4. **producing oxygen**

**6. Factors that contribute to human heat stress are following:**

1. **high air temperatures**
2. **radiant heat sources**
3. **high humidity**
4. age of the person

**7. Elements of streets composition lowering air temperature**

1. **height of the buildings**
2. **width of the street**
3. **presence of trees**
4. **car traffic**

**8. Mitigation activities lowering urban heat stress are**

1. not possible
2. **planting trees**
3. **installing cooling green roofs**
4. installing energy windmills in the city

**9. Which properties of urban materials impact heat stress**

1. **solar reflectance**
2. porosity
3. **thermal emissivity**
4. **heat capacity**

**10. The lowest temperature of the surface will be measured**

1. **in the wood**
2. in the agriculture field
3. in the city centre with high buildings
4. the land development does not impact surface temperature