

WORKSHEET 6

MICRO-CLIMATES IN THE CITY

OBJECTIVES

- Verify that the city creates a micro-climate inside the general climatology of the area.
- Study an example of city micro-climate
- Use the measuring instruments in its proper way.
- Encourage the observing and deducing abilities of students.

MATERIAL

- thermometer
- anemometer
- hygrometer
- stopwatch

INTRODUCTION

The climate in the city is not the same as the one in the country. It creates what we call a urban microclimate, due to the constant activity of men, the air-conditioning, cars driving, buildings, asphalt, etc. To test this fact we will measure different factors of temperature, humidity and wind speed in different places around us, not only at ground level but also at the upper level of a building: the roof of our school building, the underground entrance, the “Corte Inglés” entrance or our school entrance and we’ll compare our results with those of a village near Barcelona.

Place: _____	Room temperature _____ °C
Relative humidity <input type="text"/> %	It's due
Wind speed <input type="text"/> m/s	
Place: _____	Room temperature: _____ C
Relative humidity <input type="text"/> %	
Wind speed <input type="text"/> m/s	
Place: _____	Room temperature: _____ C
Relative humidity <input type="text"/> %	
Wind speed <input type="text"/> m/s	
Place: _____	Room temperature: _____ °C
Relative humidity <input type="text"/> %	
Wind speed <input type="text"/> m/s	