

# ACTIVITY SHEET

## QUIZ

### 1. BIOAEROSOLS CONTAIN THE FOLLOWING:

- a) Mixtures of living or dead microorganisms, their bioproducts and parts of plants, pollen, algae, or mammalian excrement (scales of skin, hair, or other components), or fragments of insects (dust mites)
- b) Particulate matter of different sizes
- c) Mixtures of solid particles and liquid droplets, such as dust, dirt, soot, or smoke
- d) Mixtures of living or dead microorganisms and solid particles and liquid droplets

### 2. THE SIZE OF BIOAEROSOLS RANGE FROM:

- a) 1 mm to 1 cm
- b) 1 nm to 100  $\mu\text{m}$
- c) 1 nm to 100 mm
- d) 0.1 nm to 1 mm

### 3. WHAT ARE THE MAIN SOURCES OF BIOAEROSOLS?

- a) Industrial processes
- b) Fuel-fired combustion
- c) Sea spray
- d) Dust storms

### 4. WHICH HUMAN ACTIVITY PRODUCES BIOAEROSOLS?

- a) Farming and composting
- b) Driving
- c) Smoking
- d) Industrial processes

### 5. WHICH SOURCES OF BIOAEROSOLS CAN BE HARMFUL TO HUMAN HEALTH?

- a) Wastewater treatment plants
- b) Housework (cooking and cleaning)
- c) Fuel-fired combustion
- d) Composting facilities

### 6. HOW COULD WE REDUCE THE CONCENTRATION OF BIOAEROSOLS INDOORS?

- a) Air filters
- b) Face masks
- c) Frequent air exchanges (i.e. open windows)

### 7. HOW DO PARTICLES DISPERSE IN AIR?

- a) Water droplets
- b) Dust
- c) Human activity
- d) Wind

### 8. WHAT ARE INDOOR SOURCES OF BIOAEROSOLS?

- a) Human activity (e.g., coughing, sneezing)
- b) Dust
- c) Plants and animals
- d) Waste

### 9. WHAT ARE OUTDOOR SOURCES OF BIOAEROSOLS?

- a) Built environment
- b) Sea
- c) Forest
- d) Dust

### 10. WHY SHOULD WE STUDY BIOAEROSOLS?

- a) Curiosity
- b) Relevance to human health
- c) Exposure risks
- d) Regulatory compliance of industry
- e) To understand their role in natural processes