






Surname:

Name:






Test Energy Efficiency Air Systems in a residential house.

Instructions: fill the blanks of each HVAC air system corresponding to the primary energy consumption and CO₂ emissions






a. **System 1.**

- | | | |
|--|-------------------------------|---|
| A. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| B. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| C. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| D. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| E. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |






b. **System 2.**

- | | | |
|--|-------------------------------|---|
| A. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| B. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| C. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| D. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| E. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |






c. **System 3.**

- | | | |
|--|-------------------------------|---|
| A. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| B. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| C. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| D. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| E. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |

d. **System 4.**

- | | | |
|--|-------------------------------|---|
| A. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| B. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| C. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| D. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| E. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |

e. **Improved energy efficiency system**

- | | | |
|--|-------------------------------|---|
| A. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| B. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| C. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| D. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |
| E. _____ kg CO ₂ /m ² year | _____ kWh/m ² year |  |