

## Quiz 50

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### 1. Large capacity burners:

- a. require high flow on ignition
- b. are very safe relative to puff-back
- c. require only a small pilot flame
- d. should have minimum flow on ignition
- e. are too hazardous and not recommended

### 2. The amount of pre-mix air to an atmospheric burner should be:

- a. 10 to 12%
- b. 5 to 8%
- c. 20 to 30%
- d. 30 to 40%
- e. 40 to 50%

### 3. The main function of a gas burner is for the:

- a. atomization of the fuel
- b. source of ignition
- c. provision of O<sub>2</sub>-fuel contact
- d. regulation of the fuel flow
- e. air flow control

### 4. The main function of a gas burner is to:

- a. regulate the gas flow into the furnace
- b. shoot the gas into the furnace
- c. provide intimate mixing of gas with combustion air
- d. regulate the amount of excess air
- e. consume the combustion air

### 5. When a gas fired burner is burning fuel properly:

- a. it will have a blue flame with short yellow tips
- b. the furnace will pulsate
- c. there will be no turbulence
- d. it will have a long bright yellow flame
- e. the induced draft fan can be shut off

**Quiz 50 Answers:**

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**1 = d, 2 = d, 3 = c, 4 = c, 5 = a**