

1) An intermittent pilot:

- a. lights the main flame then extinguishes
- b. must be manually ignited
- c. lights the main flame and remains on with it
- d. remains on when the main flame extinguishes
- e. lights a pilot flame then extinguishes

2) Atmospheric burners are used for:

- a. gas stoves, hot water heaters, heating furnaces, and many heating boilers
- b. ring type burners
- c. coal firing
- d. lowering the relative humidity in the combustion air
- e. warming the incoming combustion air

3) 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%

4) The main function of a gas burner is for the:

- 1. atomization of the fuel
- 2. a source of ignition
- 3. provision of O₂-fuel contact
- 4. regulation of the fuel flow
- 5. air flow control

5) 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

6) 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 17 Answers:

1 = c, 2 = a, 3 = d, 4 = c, 5 = c, 6 = a