

## Quiz 47

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### 1. Prior to a boiler safety valve popping during routine boiler operation:

- a. a try lever test should be performed
- b. the pressure gage should be checked
- c. the high limit switch should open
- d. the feedwater pump should stop
- e. the high level alarm should sound

### 2. Quickly closing the main burner manual cock valve during boiler operation should check the:

- a. flame scanner
- b. combustion air proving switch
- c. low gas pressure fuel cut-off
- d. high gas pressure fuel cut-off
- e. low fire interlock switch

### 3. The combustion air proving switch:

- a. should be checked when air flow is minimum
- b. should not be checked while the boiler is in the purge cycle of start-up
- c. is a normally closed switch
- d. must always be a manual reset device
- e. should be checked when air flow is maximum

### 4. The main controlling device used with an on/off combustion fuel control is a \_\_\_\_\_ sensing element:

- a. pressure
- b. level
- c. temperature
- d. electronic
- e. pneumatic

### 5. The purpose of the high limit temperature control on a hot water boiler is to:

- a. take over operating the boiler if the water level control fails
- b. allow you to take off the operating control for maintenance without shutting down the boiler
- c. shut down the burner if the water temperature rises too high
- d. prevent the pressure in the boiler rising above 210 kPa gage
- e. limit high pressure and temperature from developing in the boiler

**Quiz 47 Answers:**

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