

## Quiz 27

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### 1. According to the ASME codes the popping pressure of a safety valve:

- a. cannot be changed
- b. may only be increased by 5%
- c. may only be decreased by 5%
- d. may be increased or decreased by up to 5%
- e. may be changed any amount

### 2. An agency or code with which fittings must comply with is the:

- a. Health and Safety code
- b. Fittings and Boiler Parts Act
- c. Boiler Repair code
- d. Plumbing Gas Act
- e. ASME Code

### 3. An operator should check that a boiler safety valve will open at its set pressure by:

- a. sending for the inspector to bring his or her test gauge
- b. increasing the boiler pressure until the valve opens and noting the pressure on the pressure gauge when the valve opened
- c. putting a piece of pipe over the lifting lever and lifting the valve off its seat when the seat pressure is reached
- d. connecting the boiler to an air compressor during shut down and raising the pressure in the boiler until the set pressure is reached
- e. listening to the alarms of the set pressures

### 4. Blow-down of a safety valve is defined as:

- a. increasing the pressure drop across the filter
- b. the difference between opening and closing pressures
- c. draining water from the safety valve
- d. opening the test lever to blow steam out
- e. the adjustment of the pressure setting of the valve

### 5. Boiler fittings (safety valves included):

- a. are not regulated by the ASME Codes
- b. must be registered by the government
- c. requires only the manufacturer's identity attached
- d. may be used at the discretion of power plant personnel
- e. are tested by a destructive test

**6. Do not open the safety valve with the test lever:**

- a. if the valve is less than 2.5 cm inlet diameter
- b. if the pressure is less than 75 % working pressure
- c. after 9 pm in populated areas
- d. if the valve is not vented to the roof
- e. if there are more than two safety valves on the boiler

**Quiz 27 Answers:**

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**1 = d, 2 = e, 3 = b, 4 = b, 5 = b, 6 = b**