# A double-acting pump:

1. has two pistons on the pump end
2. will always be driven by the steam pistons
3. has two pistons on the driver end
4. will have two slide valves
5. is a positive displacement pump

# A multi-stage pump would be used when:

1. the lift is great
2. a greater volume must be pumped
3. the head is great
4. the temperature of the water being pumped is high
5. there is sufficient boiler room floor space

# A positive displacement stand by-pump will have the:

1. vent and drain valves open
2. suction valve closed and the discharge valve open
3. suction valve open and the discharge closed
4. suction valve open and the discharge valve open
5. suction valve and the discharge valves closed

# A pump is capable of suction lift due to:

1. its ability to convert kinetic energy into potential energy
2. the speed at which it operates
3. its input power
4. its size
5. atmospheric pressure

# A rotary pump:

1. is a variety of dynamic unit
2. never has discharge pulsations
3. should be equipped with a relief valve
4. has the highest capacity of any pump
5. never requires cylinder lubrication

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