# **Carbon dioxide causes return line corrosion and may be:**

1. eliminated by adding magnesium to the water
2. absorbed by sodium sulphite
3. the result of bicarbonate decomposition
4. neutralized in the boiler with sodium hydroxide
5. neutralized with filming amines

# **Chemicals are fed to a water tube boiler:**

1. with a small centrifugal pump
2. into the top drum only
3. with a positive displacement pump
4. into the bottom drum only
5. prior to operating the blow off valves

# **Coagulants added to water:**

1. make the water soft
2. will remove fine particles more readily
3. remove the dissolved solids
4. causes the fine particles to float to the surface
5. remove chemicals not used up

# **Corrosion products in feedwater can cause:**

1. slag deposits in superheaters
2. decreased steam pressure
3. increased steam pressure
4. increase in boiler efficiency
5. tube failure

# **Excess sulfite residuals are necessary to prevent:**

1. pitting
2. hardness
3. carry over
4. acidity
5. sludging

Answers: 1=c, 2=c, 3=b, 4=e, 5=a