

# Written Quiz

## POINTS

1. List ten reasons why a prime may not be achieved during drafting operations. 50
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2. What is the maximum lift with a CDF primer? 10
3. How long may a primer be run without damaging it? 10
4. Why would you not use a soft suction hose for drafting operations? 10
5. Why must care be used when the static drafting source is elevated above the eye of the pump? 10
6. Would the capability to lift water increase or decrease as the elevation increases? 10

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:**

**FINAL SCORE:**

**POINTS**

1. List ten reasons why a prime may not be achieved during drafting operations. 50

**AIR LEAKS**

**OPEN VALVES**

**LACK OF PRIMER OIL**

**BLOCKED VENT IN PRIMER LINE**

**DEFECTIVE PRIMER**

**LIFT TOO GREAT**

**BLOCKAGE OR RESTRICTION IN STRAINER OR SUCTION**

**HOSE**

**PRIMER TURNING TOO SLOWLY**

**INSUFFICIENT WATER DEPTH**

**DEFECTIVE PRIMING VALVE**

**PRIMER NOT RUN LONG ENOUGH**

**DISCHARGE VALVE OPENED TOO QUICKLY**

2. What is the maximum lift with a CDF primer? 10

**15 FEET**

3. How long may a primer be run without damaging it? 10

**30 SECONDS**

4. Why would you not use a soft suction hose for drafting operations? 10

**COLLAPSES UNDER VACUUM**

**POINTS**

5. Why must care be used when the static drafting source is elevated above the eye of the pump? 10

**AIR POCKETS WILL FORM AT HIGH POINTS WHICH MAY NOT BE EVACUATED BY THE PRIMER. THE RESULT IS A PARTIAL PRIME WHICH MAY BE LOST ONCE THE AIR ENTERS THE PUMP.**

6. Would the capability to lift water increase or decrease as the elevation increases? 10

**DECREASES 1 FOOT PER 1000 FEET OF ELEVATION**

**POINTS POSSIBLE: 100**

**POINTS DEDUCTED:**

**FINAL SCORE:**