

Questions for 2022 Self-Study RT-130 Annual Fireline Safety Refresher

Please watch videos on completion sheet and answer the questions below about each lesson. After you are finished initial on the completion sheet. Please turn in both the answers and the completion sheet. Use additional sheets if needed.

Video: Observations from Recent Prescribed Fire Reviews- <https://youtu.be/yUNcqO9A3H8>

1. According to the video, what comes with approaching storm fronts that is dangerous to a prescribed fire?
2. When does a prescribed fire become a declared wildfire?
3. When getting a weather forecast how far into the future do you look?
4. T or F Escaped prescribed fires only come from large scale grass broadcast burns and **NOT** from brush pile or woodland burns.
5. What are factors that affect the complexity of a fire?

Video: Chainsaw Operational Complexity and Tree Size-Up - When Complexity Changes
<https://youtu.be/okmk2ffUIAo>

6. What are the components that should be in every size-up of a tree cutting operation?
7. Does tree species have any consideration in a felling operation size-up? Why or why not?
8. What personal protection equipment (PPE) should you have on when working with a chainsaw in a cutting operation?
9. Does size-up/assessment stop once you start to cut down a tree in a felling operation? What can change?
10. When do you walk away from a tree felling operation?

Video: Mack Lake Fire Prescribed Fire Lost <https://youtu.be/gFIA8Y2ngmg>

11. Consult your Incident Response Pocket Guide (IRPG) and record any Watchout Situations and/or Standard Fire Orders broken below.
 - a. Watchout Situation # →

 - b. Standard Firefighting Order # →

12. What other factors lead to the loss of life and the escaped prescribed fire? How could these factors have been avoided?

Video: Firefighter Mental Health <https://youtu.be/eiW2i49mzo0>

13. What are some signs that a person is depressed or is struggling?

14. Where can someone get help for depression?

Video: Assessing the Fire Environment to Anticipate Fire Behavior <https://youtu.be/tLeGGhnWmGM>

15. Can you assess the fire behavior before arriving on scene? How?

16. How can you get weather information before being on scene? How?

17. If you arrive on scene of a prescribed fire or wildland fire at noon, what can you expect the fire behavior to do as you work into the afternoon, will it increase or decrease? Why?

Video: Kestrel Digital Weather Meter Tutorial <https://youtu.be/MduAlzd1vEE>

18. What are the advantages of digital weather meters, aka Kestrels?
19. What are the disadvantages of digital weather meters, aka Kestrels?
20. What weather readings are typically gathered from a Kestrel on a RX fire or wildland fire? How often are readings gathered?
21. Does a Kestrel need to be recalibrated? If so how often?

THE FOLLOWING QUESTIONS BELOW ARE FOR OUT OF STATE RESOURCES ONLY. IF YOU ARE AN IN-STATE RESOURCE ONLY, YOU ARE FINISHED WITH THE REFRESHER FOR 2022. PLEASE TURN IN THESE SHEETS AND THE COMPLETION SHEET TO RYAN SCHLATER Ryan.Schlater@dnr.iowa.gov

Video: Case Study – Spanish Ranch Fire <https://youtu.be/wxyiJEyVmEo>

22. Was LCES in place for this incident? (Lookouts, Communication, Escape Routes, Safety Zones) Explain.
23. List watchout situations present and standard fire orders that were broken on this incident.
 - a. Watchout situation # →
 - b. Standard Fire Orders # →
24. What other hazards were present but not identified? How could these hazards been mitigated? In other words, what went wrong and how could these deaths been avoided?

Fire Shelter Review- Review this document <https://www.nwcg.gov/sites/default/files/committee/docs/fsppes-2021-fire-shelter-training-reminders.pdf>

25. T or F. I should bring my chainsaw/chainsaw fuel into the fire shelter with me when deploying.
26. My feet should be facing which way when I get into the fire shelter during a deployment?
27. What is the difference between a deployment area and a safety zone?
28. What makes a good deployment area? Give examples.