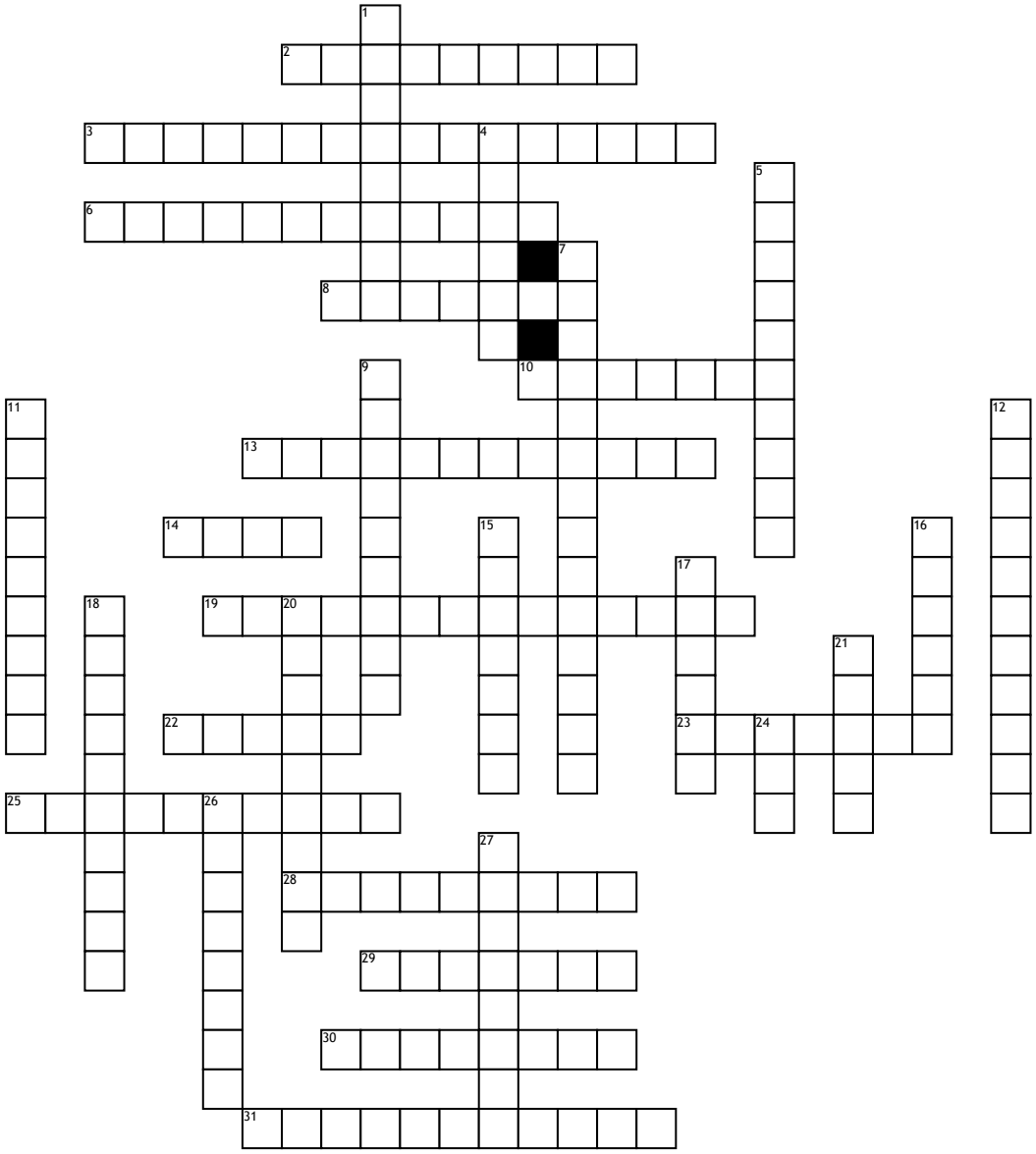
Name: _____ Date: _____

trains



Across

2. Accelerated service release speeds up a release of the train air brakes by allowing this reservoir to back dump into the brake pipe at each car.

3. What reservoir on the loco is used for Independent and Auto brake applications

6. air is no longer flowing from the automatic brake

8. What should be avoided after an automatic brake application and prior to completion of the service exhaust

10. What activates / actuates the P-2-A

13. Where is the quick release feature located

14. Compression that exists between couplers when a train is bunched

19. If it is not regulated it can create excessive lateral forces

22. A straightaway heavy brake pipe reduction could result in

23. What does the quick release feature do?

25. adjust equalizing reservoir pressure

28. Force exerted to slow a train

29. Force exerted between the wheel and rail through the wheel-flange

30. Forces exerted by the weight of equipment on the rail, transmitted through the wheel tread

31. Heavy retarding force may be exerted with

Down

1. When the speed of the locomotive is increased, tractive effort will

4. Hard Hat

5. maximum number of powered axles

7. Provides main generator excitation

9. What controls equalizing and regulates brake pipe pressure

11. two position switch

12. recover from a penalty

15. cause a penalty

16. What must you know about the cars before tying onto them

17. Locomotive Brake cylinder pressure applies / exhausts from..?

18. how to check the governor oil level

20. During a service application the air that flows into the brake cylinder on freight car equipment comes from what reservoir

21. Tension exerted when a train is stretched

24. A service reduction of at least this amount is required to obtain the benefits of Accelerated Service release.

26. current flowing through 2 traction motor

27. ability of a locomotive to exert tractive effort at the rail without slipping