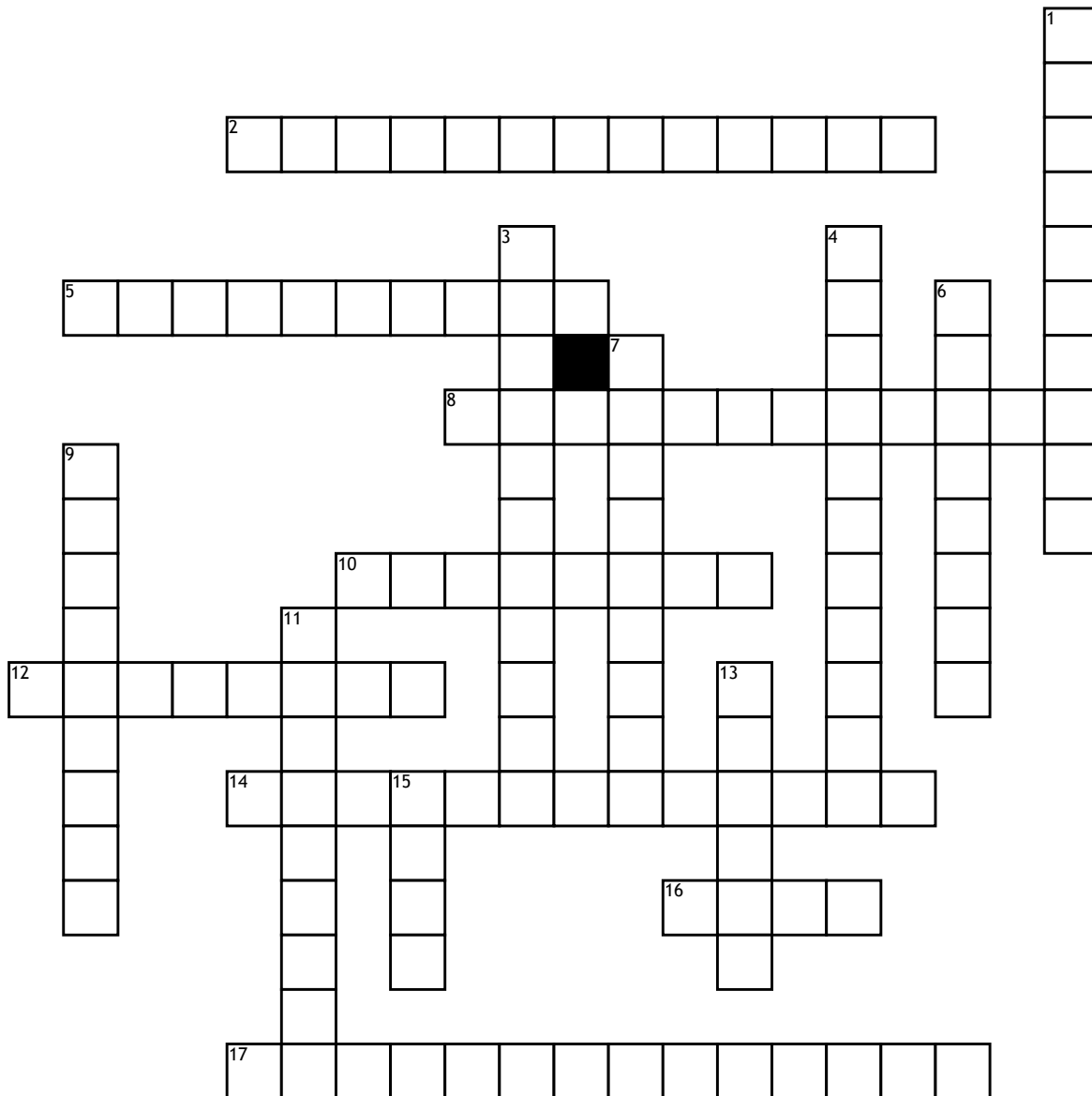


Name: _____

Date: _____

MMA Welding



Across

2. Welding defect that you may get using MMA, but not with TIG or MIG
 5. Movement caused by heat input resulting in expansion of metal and contraction as it cools
 8. MIG and TIG both require a supply, MMA does not
 10. Welding too slowly or with and electrode that is too large can cause
 12. Electrode polarity for deep penetration

14. Provides pathway to complete welding circuit

16. Product of the electrode coating which protects the weld as it cools

17. What is used to remove slag?

Down

1. 6010 Welding electrode

3. Welding rod which has the number 7018

4. Power source that Steps down mains voltage to voltage required for welding

6. Electrode polarity for shallow penetration

7. Changes alternating current (ac) to direct current (dc)

9. Type of welding torch that shares it's name with a large amphibious carnivore

11. Used to clean the weld after slag has been removed

13. Welding electrode with the number 6013

15. Direction of travel uses in MMA welding