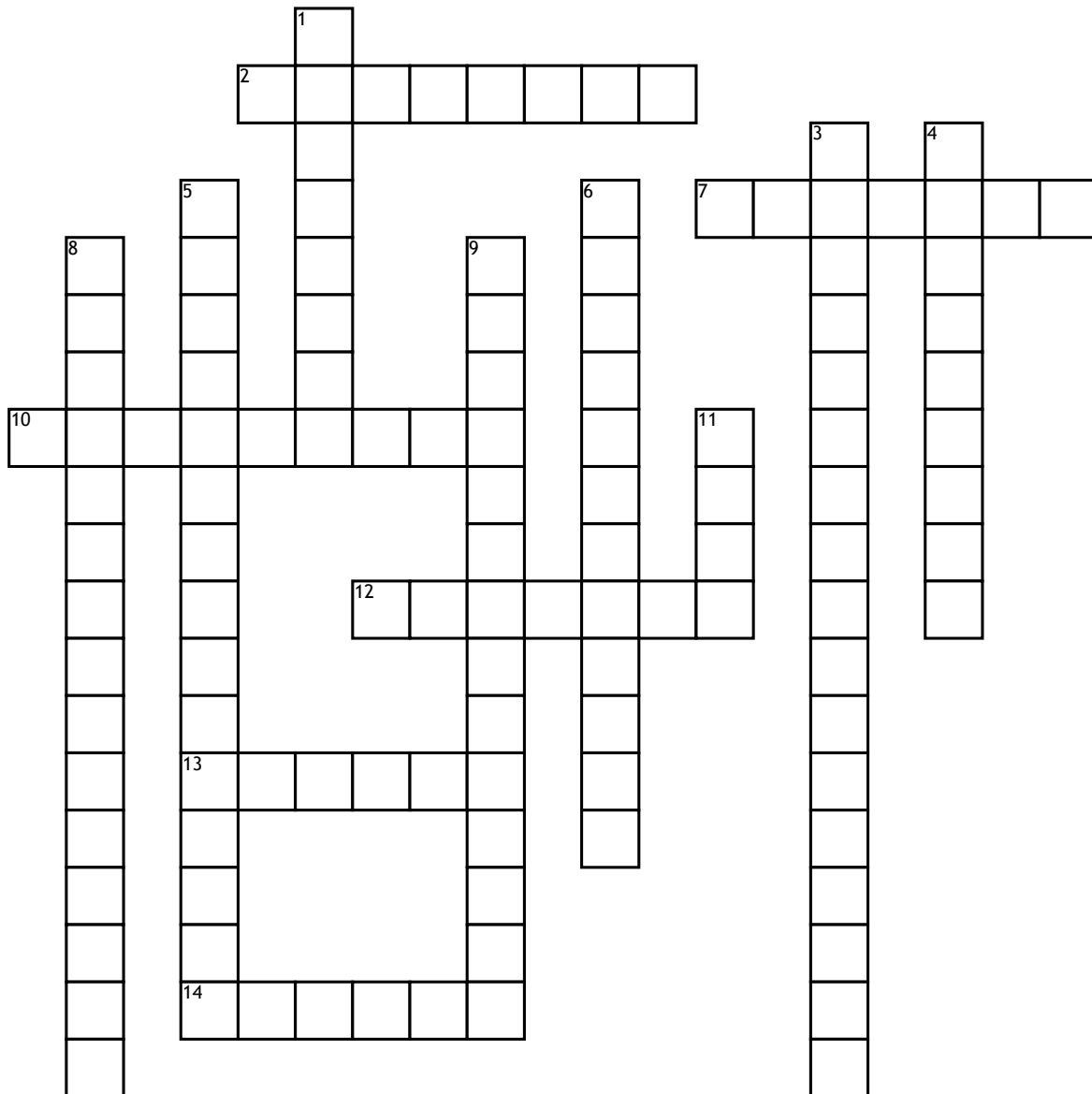


Name: _____

Date: _____

Catapult



Across

2. made of two independent lateral arms connected by a bowstring at the outer ends

7. is the reactive torque that an elastic exerts by reason of being twisted on its own axis

10. to provide stability and support

12. to allow incremental accumulation of applied human energy for increased power

13. one armed, torsion driven, sling machine

14. to form the main axis of a weapon

Down

1. is derived from the Greek prefix kata denoting downward motion

3. medieval catapult like device that threw missiles with the force of up to 250 men

4. ruler of the Greek colony of Syracuse, Sicily

5. to allow rotation

6. belly bow

8. with sliders to form amoveable joint

9. to store the energy used to propel an object

11. to transfer rotating motion into sliding motion