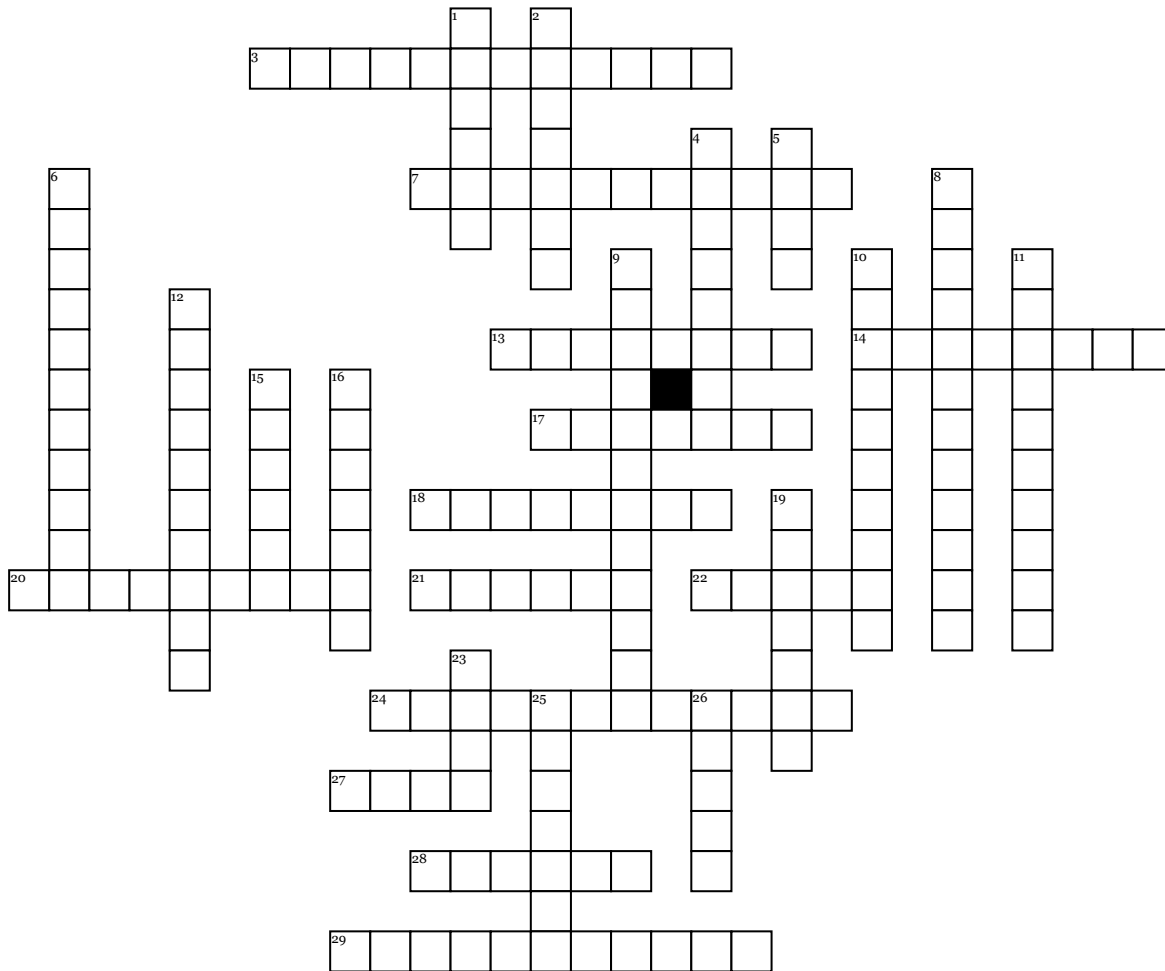


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Science



## Across

- 3.** Useful in reducing friction on wheels and axles  
**7.** A method of smoothing a surface to reduce friction  
**13.** A force caused by one surface sliding over another  
**14.** These forces give no overall force  
**17.** Measures mass  
**18.** The metric unit for mass  
**20.** A material that will be permanently disorted  
**21.** The pulling force of gravity  
**22.** It can push, pull or twist  
**24.** Happens when there is no 'grip'

- 27.** Generated by friction

- 28.** Gave us three laws of motion

- 29.** Something that will reduce friction

## Down

- 1.** The unit for force, symbol N  
**2.** A non-contact force that attracts objects to each other  
**4.** Friction provides the 'grip' to allow movement  
**5.** The amount of matter in an object  
**6.** Using a table to mark a scale correctly  
**8.** Slowing down  
**9.** Speeding up

- 10.** These forces will cause acceleration, deceleration, change in direction or shape

- 11.** A force that does not touch the object

- 12.** Uses a cushion of air to reduce friction

- 15.** Force provided by a jet engine or propeller

- 16.** A force that actually touches the object

- 19.** The shape of a wing

- 23.** Force provided by a wing

- 25.** A material that will bounce back to shape after the force is stopped

- 26.** Forces are balanced when a bike is going at constant \_\_\_\_\_